

FIG. 1

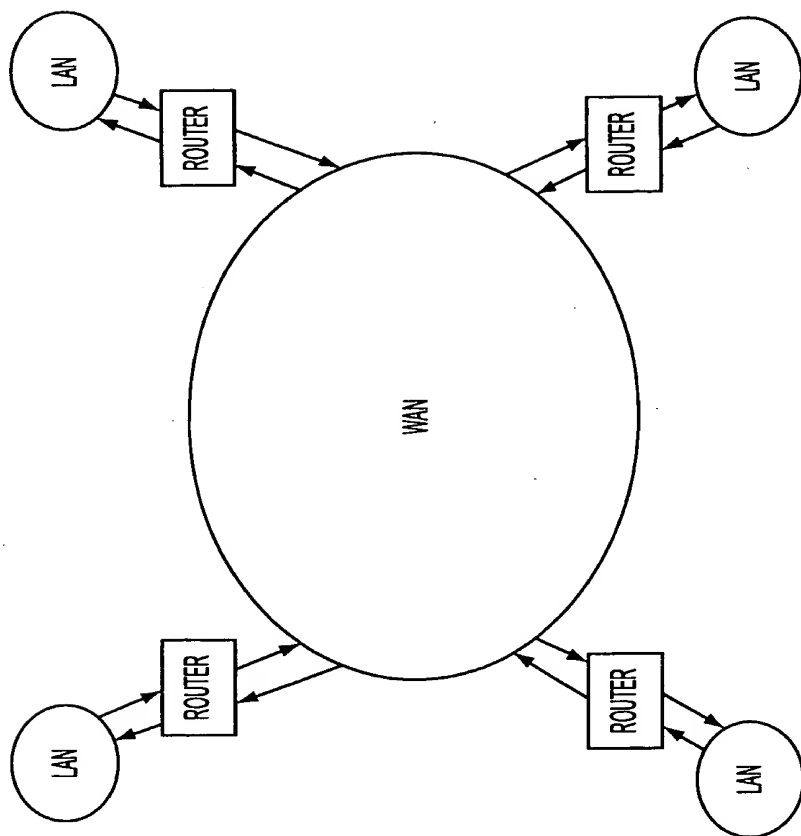


FIG. 2

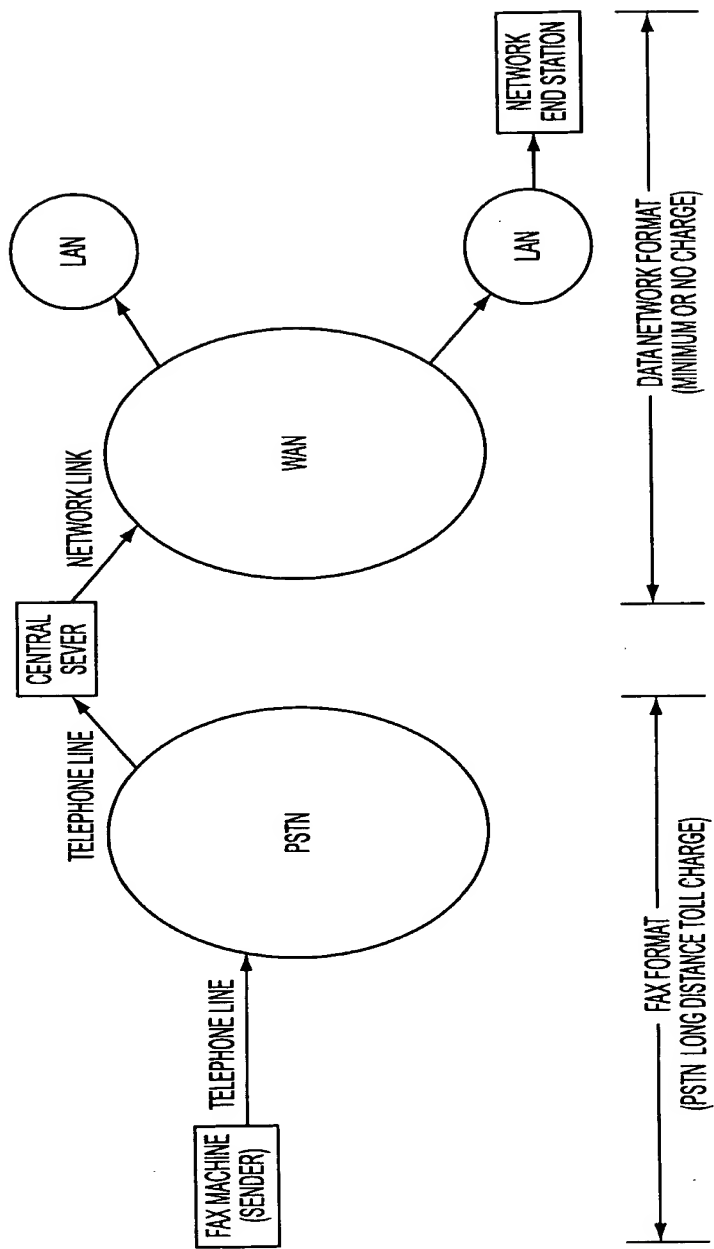


FIG. 3

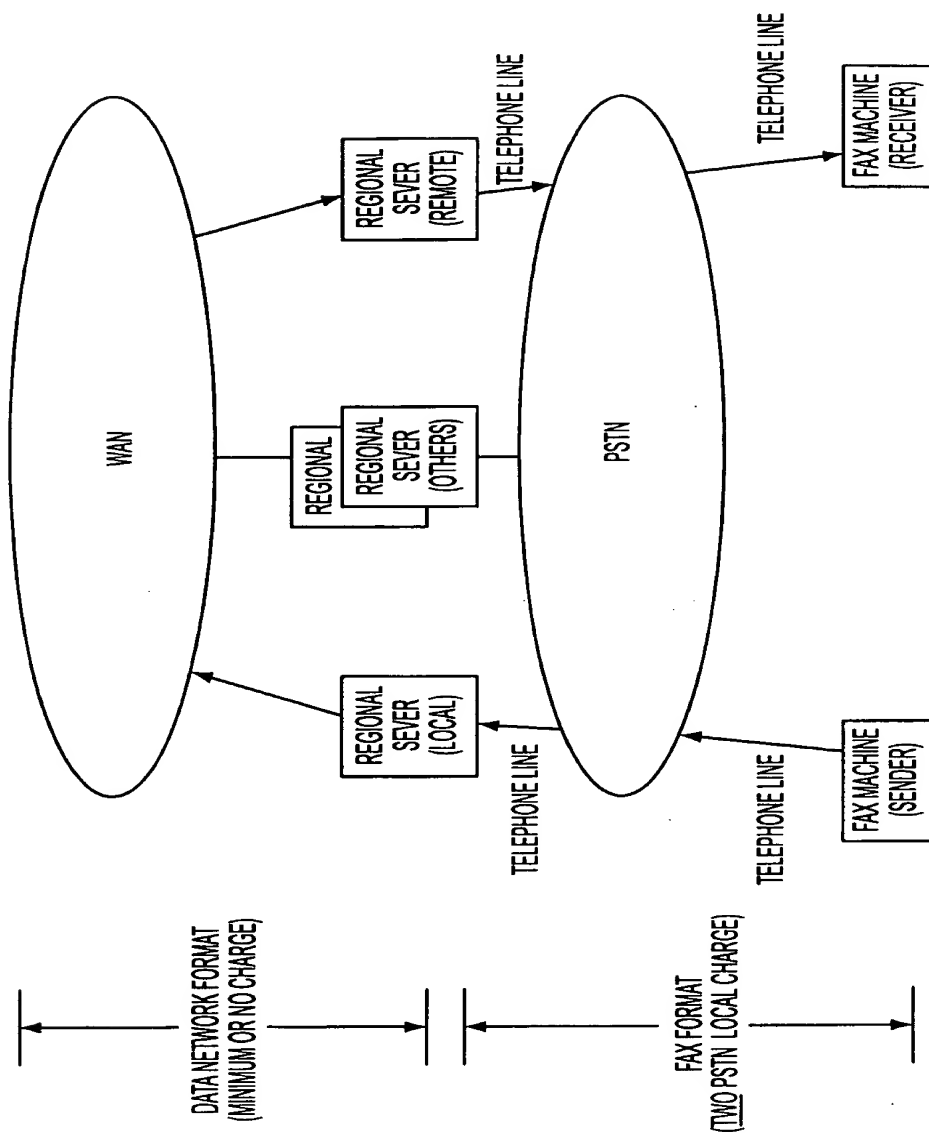


FIG. 4

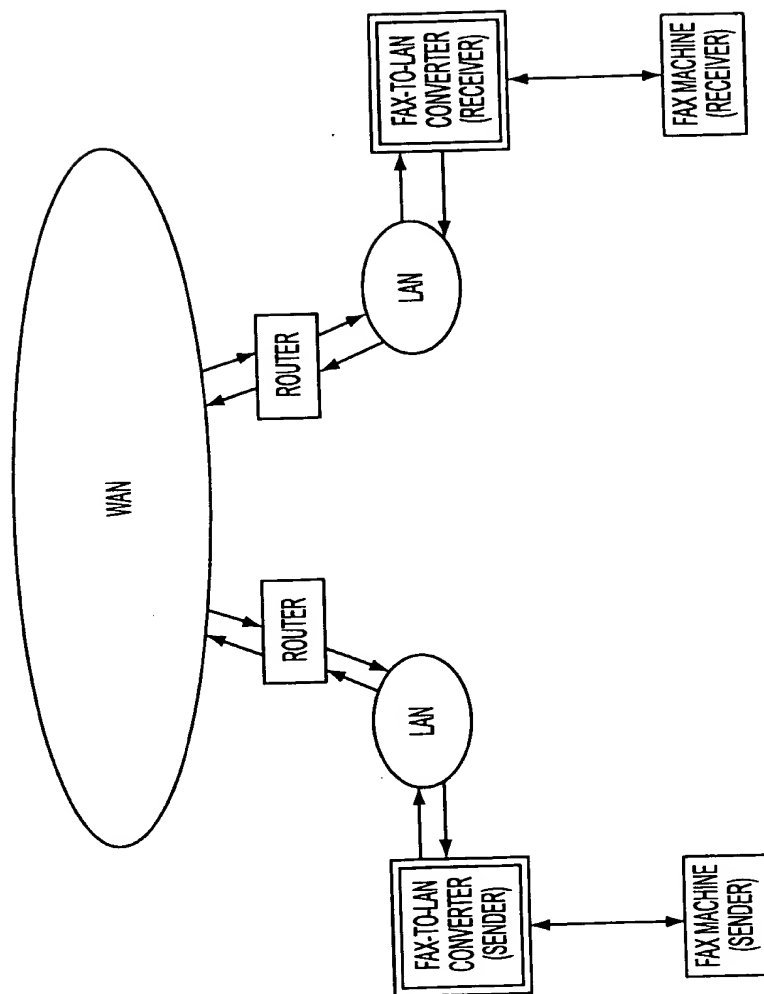


FIG. 5

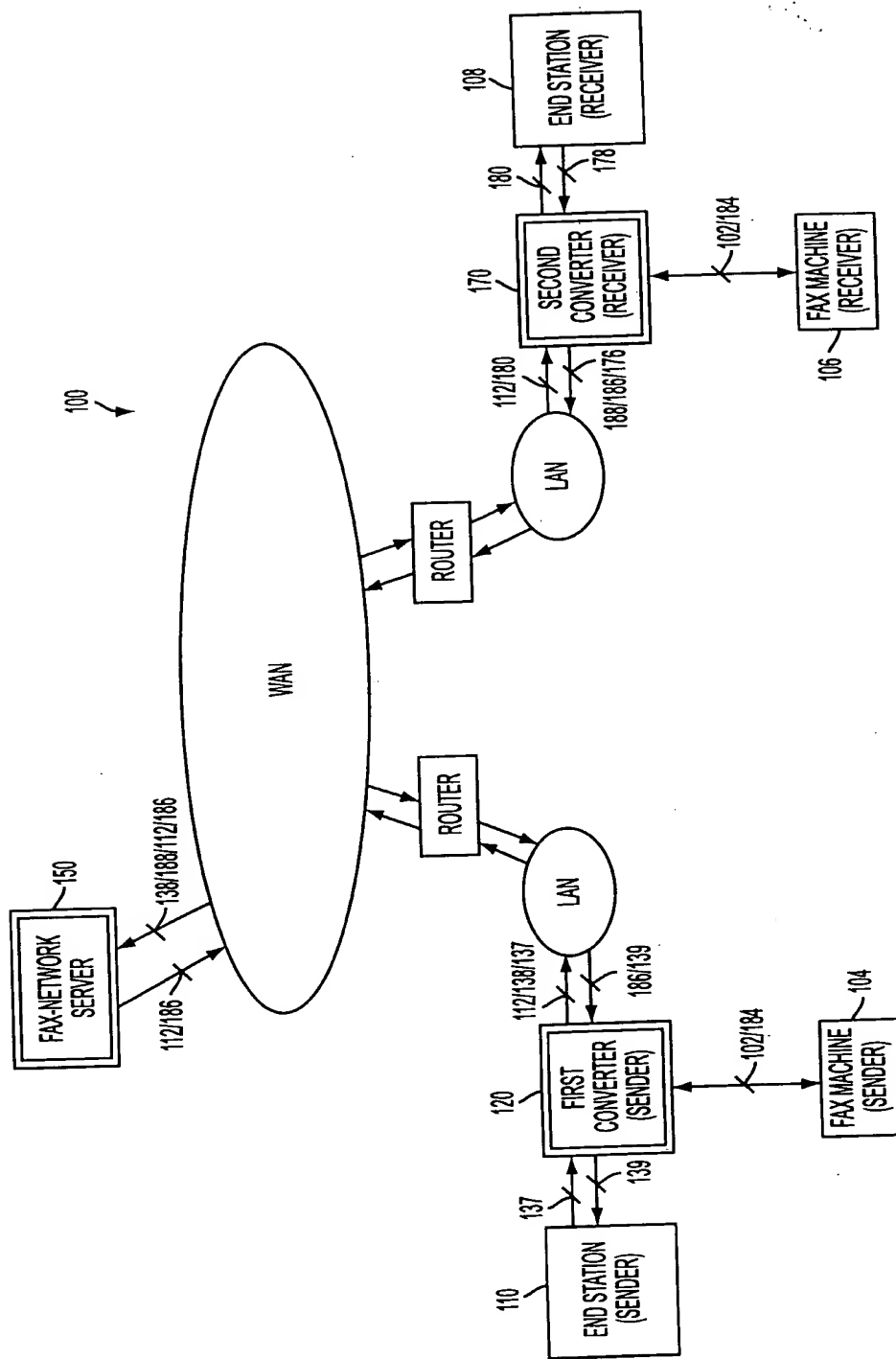


FIG. 6

TOP SECRET 0000000000

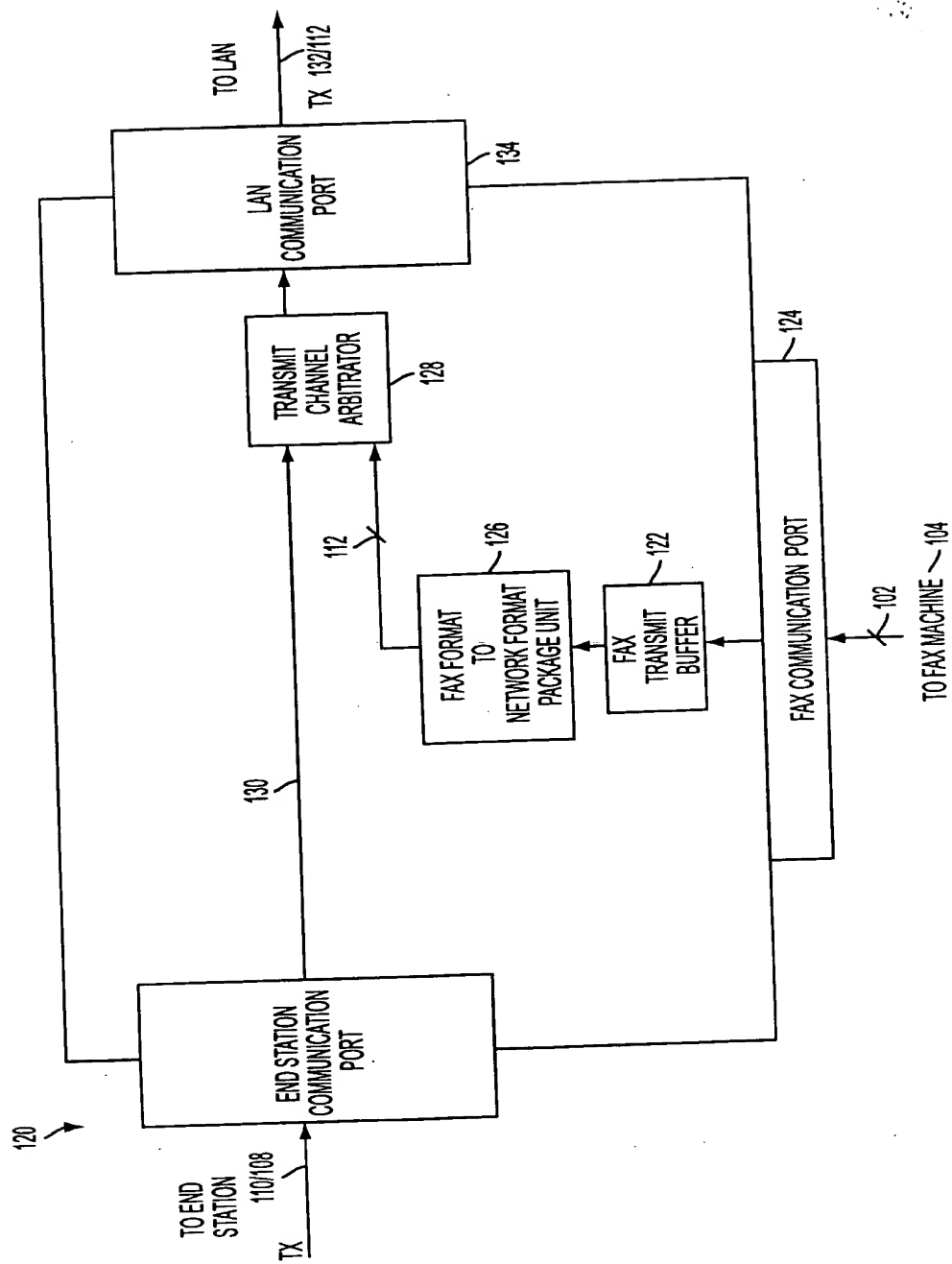


FIG. 7

FIG. 8

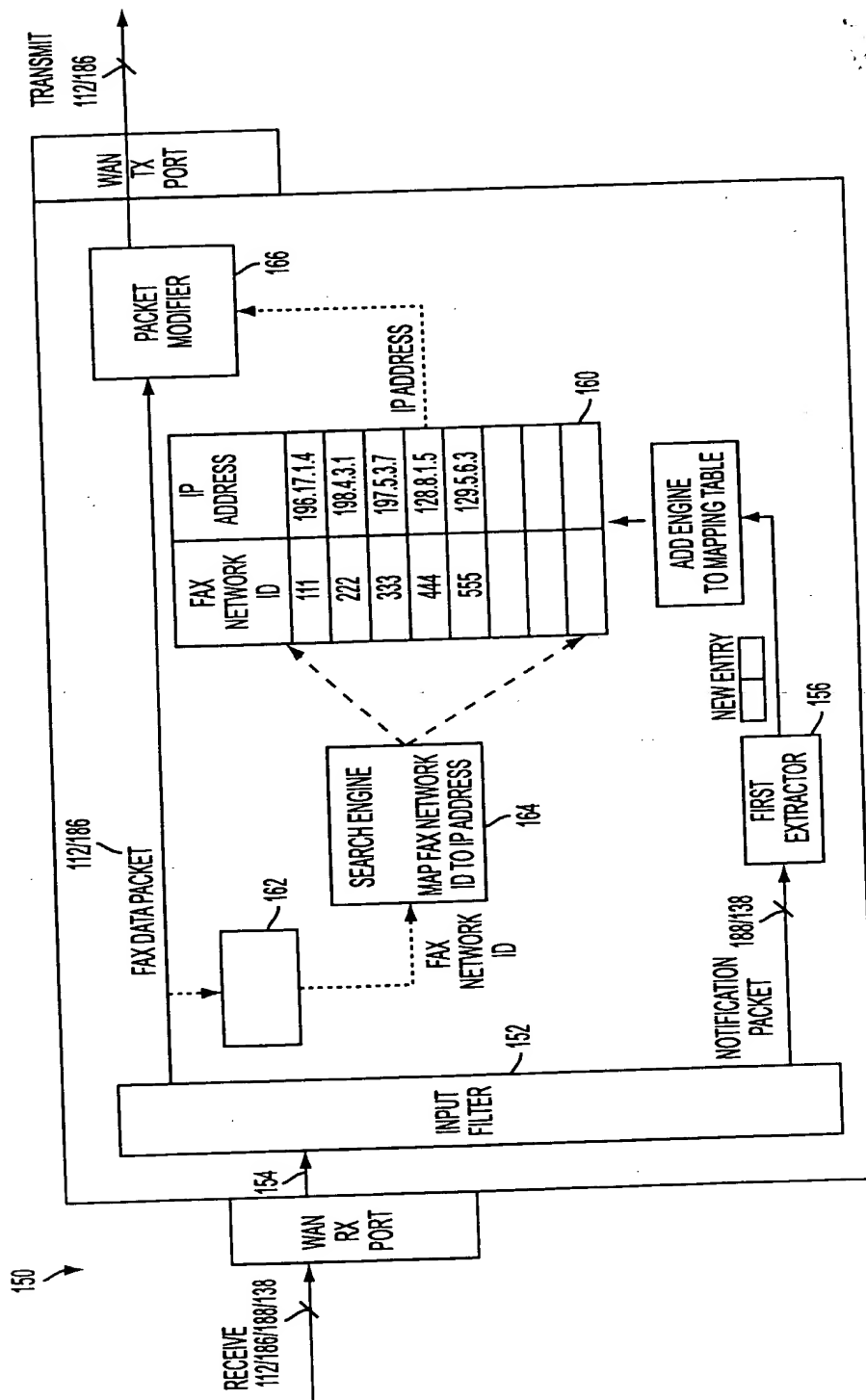
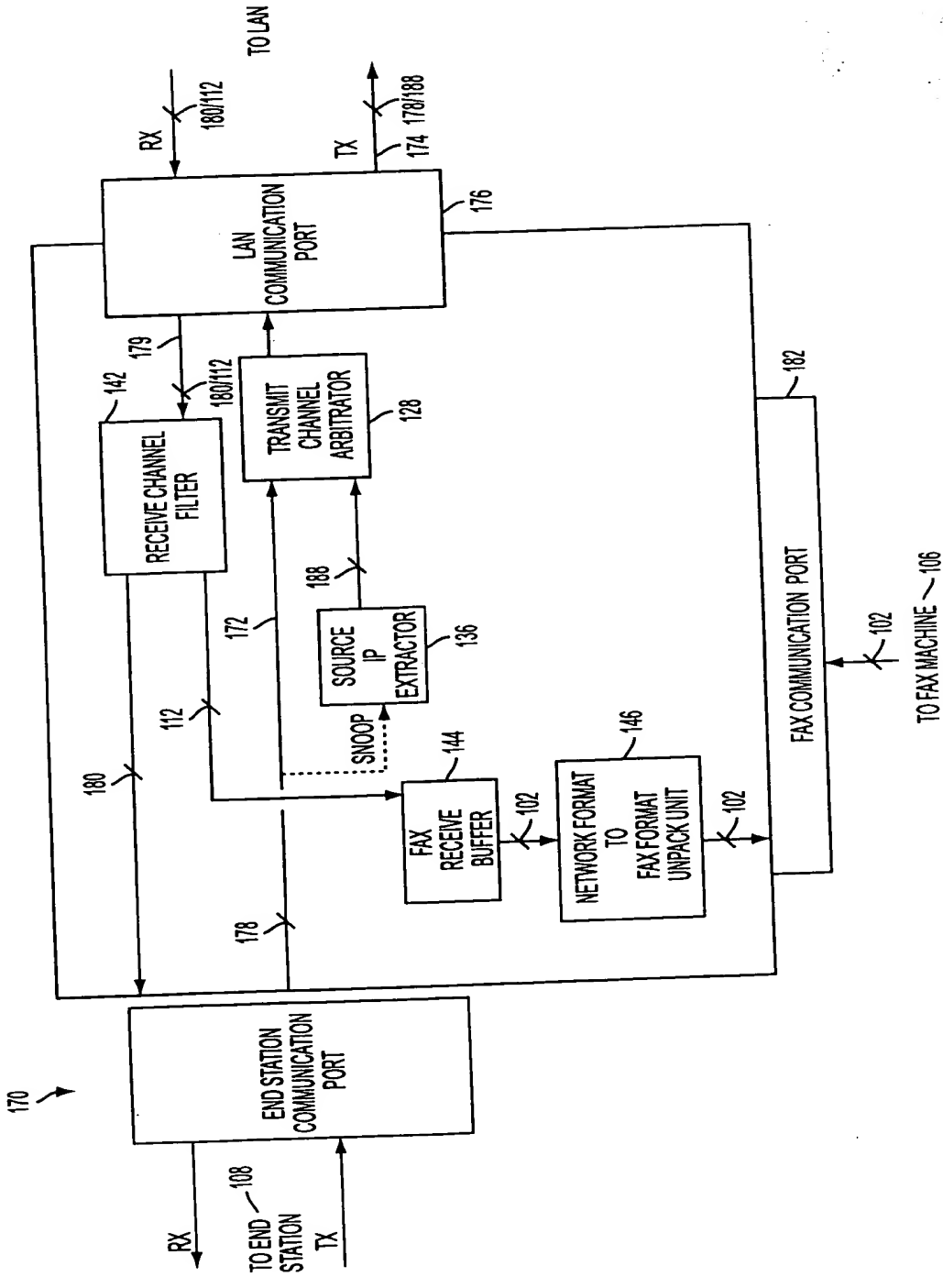


FIG. 8

FIG. 9



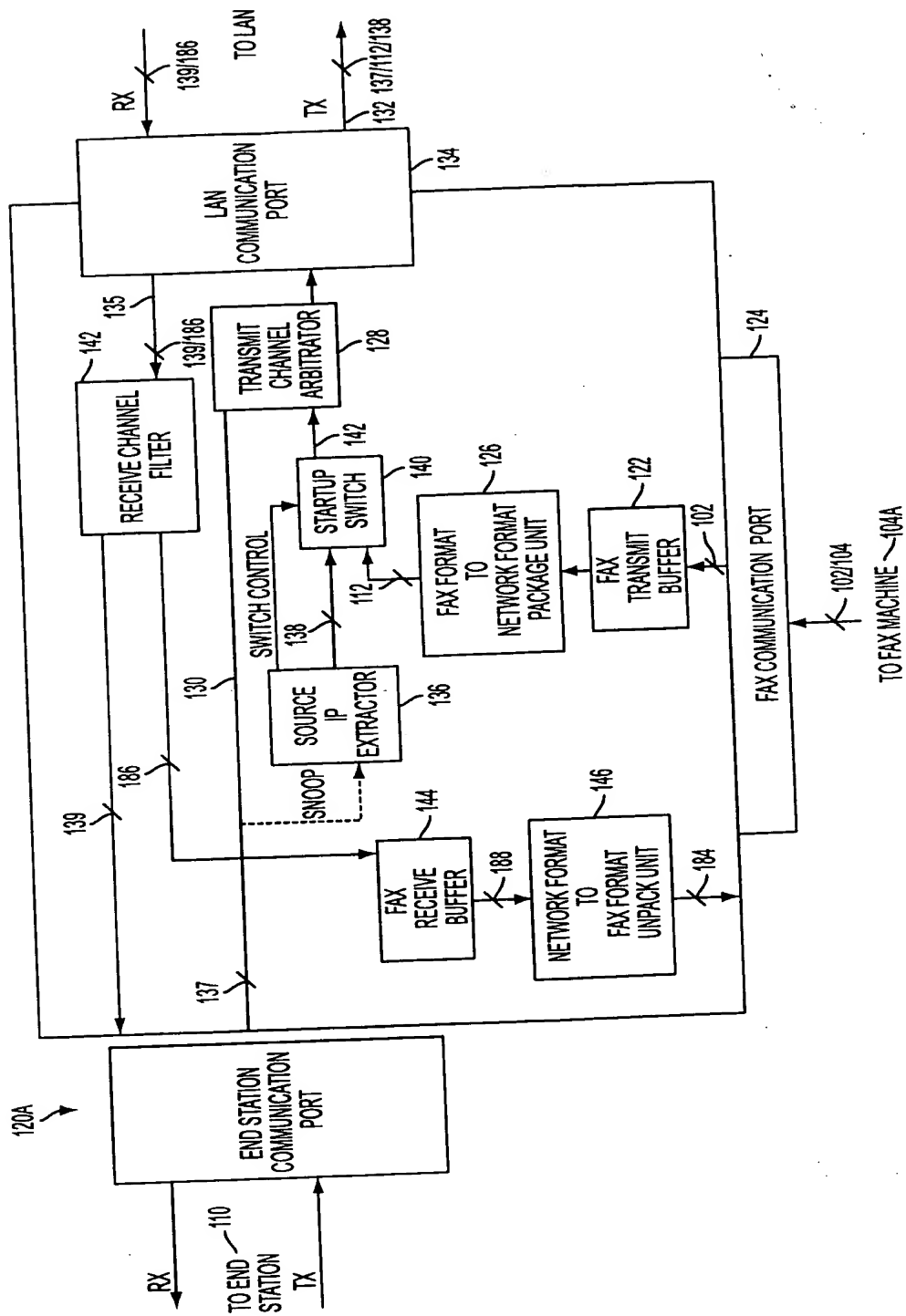


FIG. 10

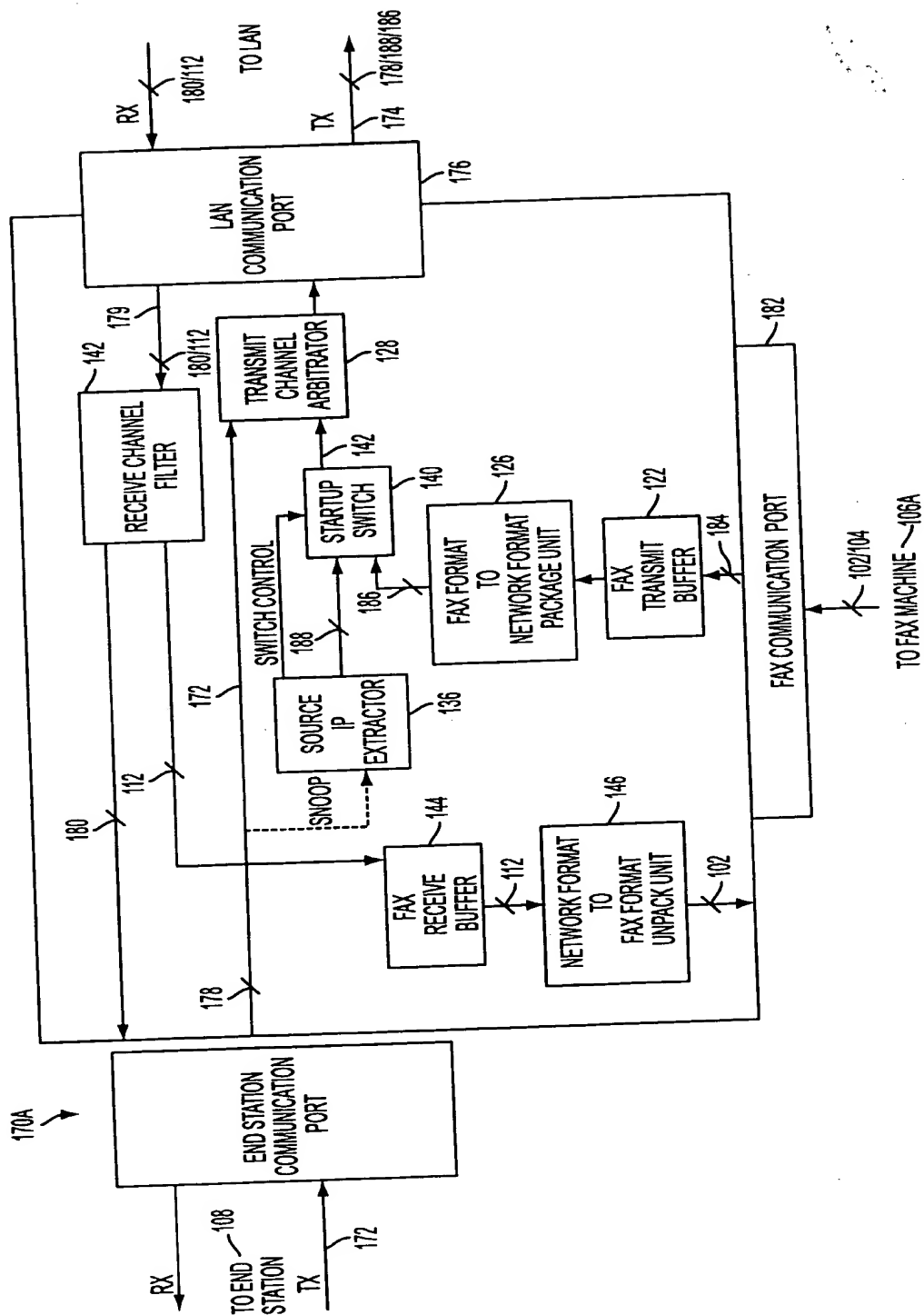


FIG. 11

2025-05-27 10:22:01

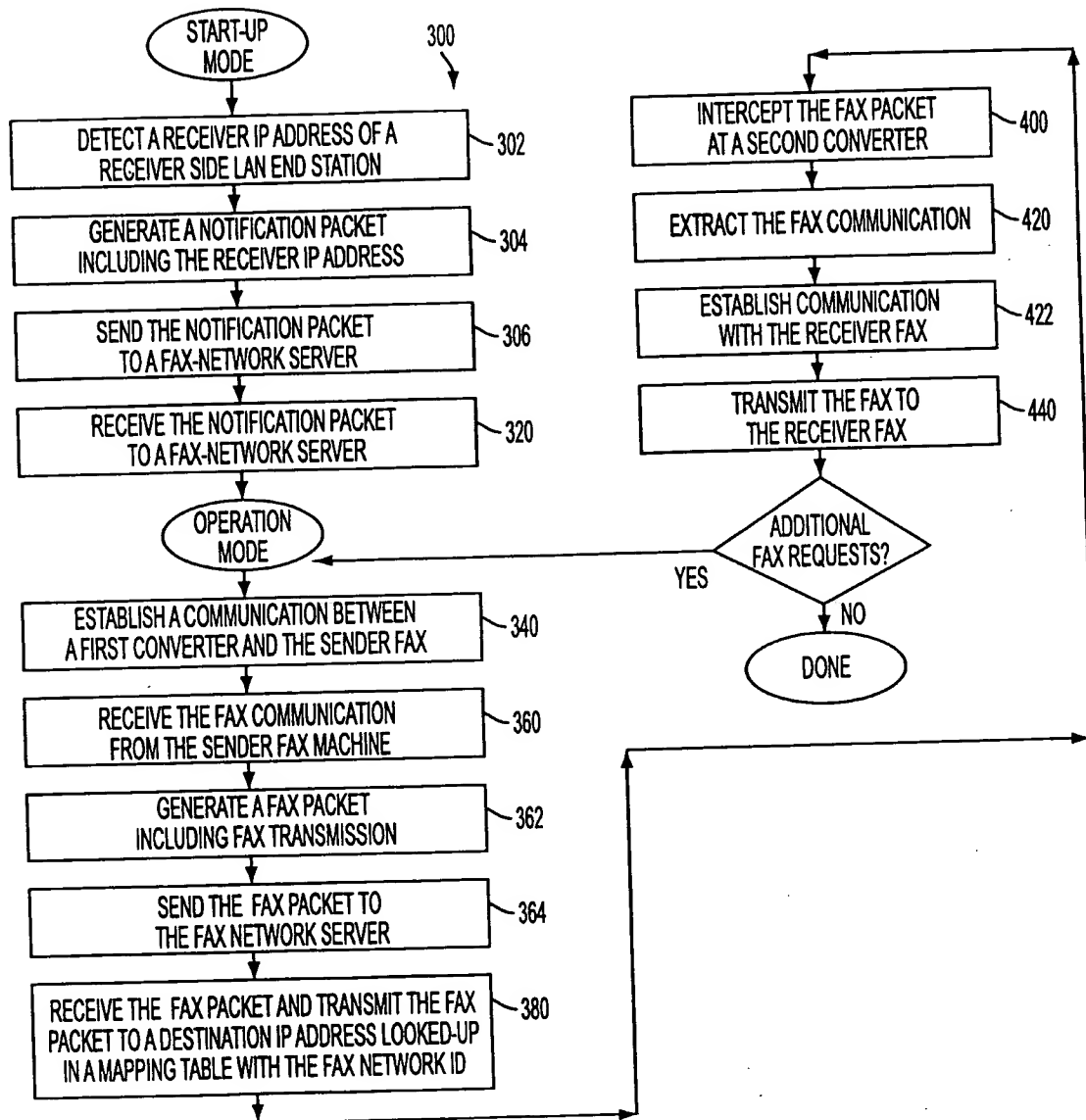


FIG.12A

09800660.052901

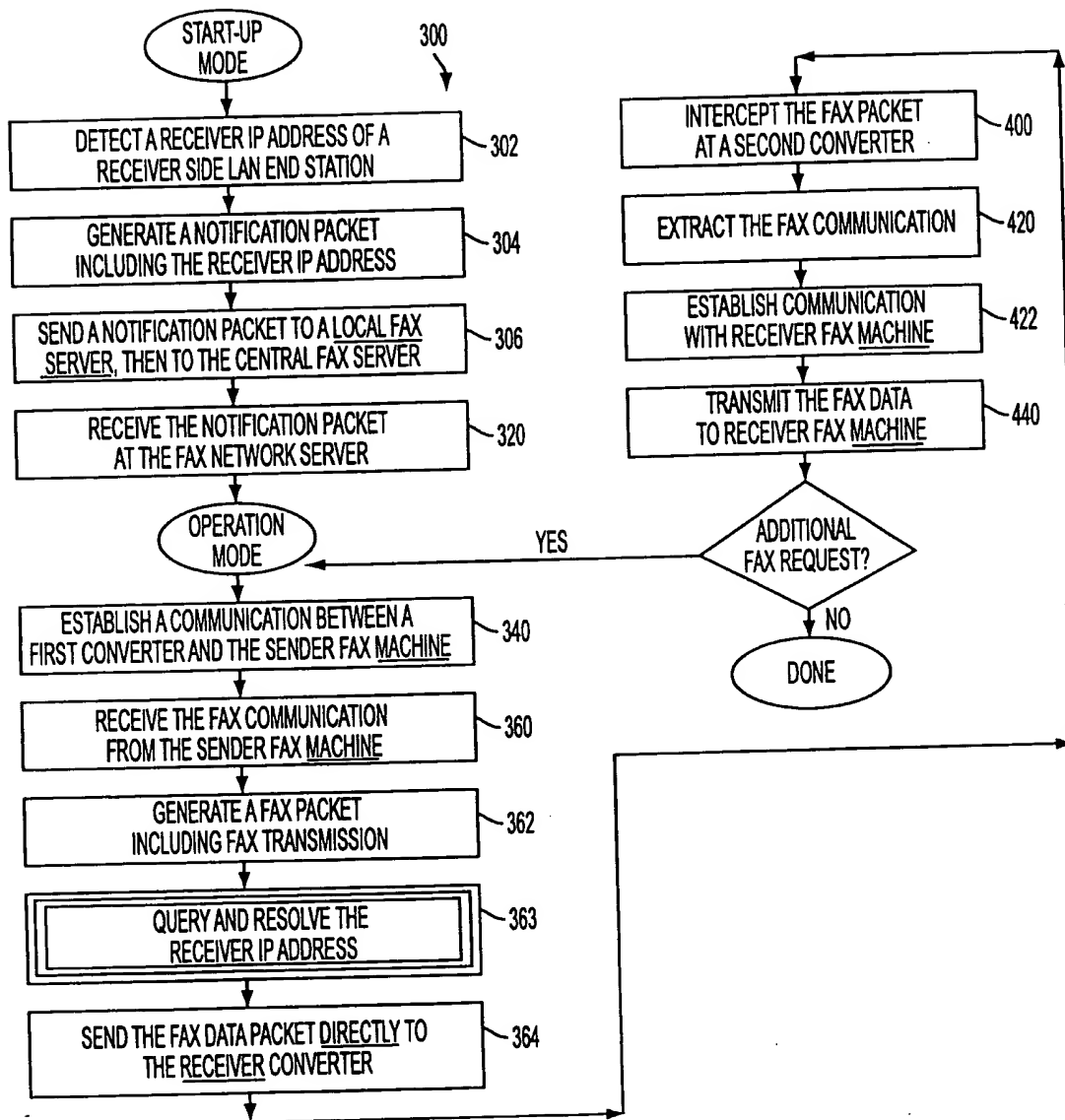


FIG.12B

09800600 052401

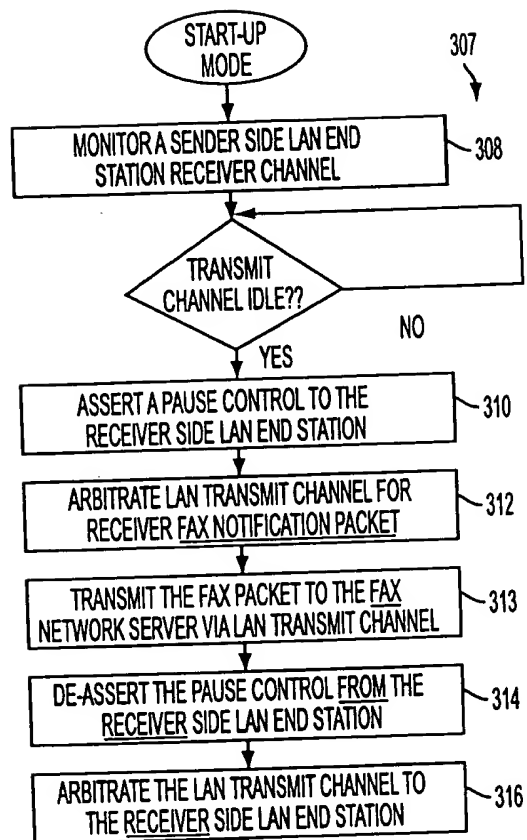


FIG.13

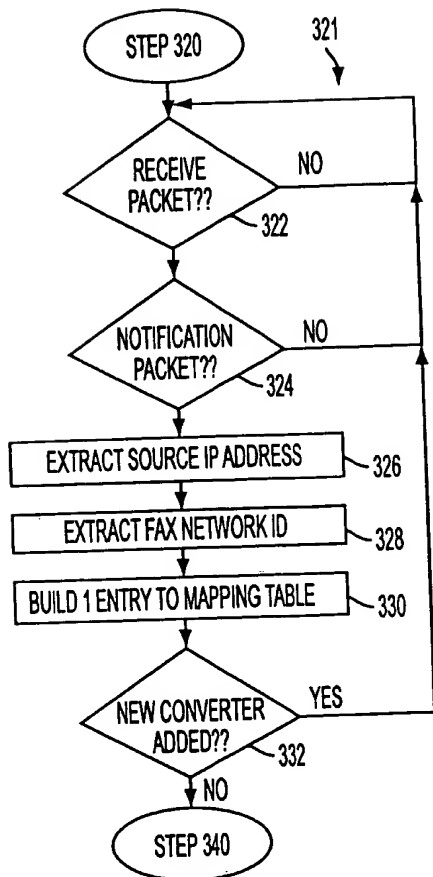


FIG.14A

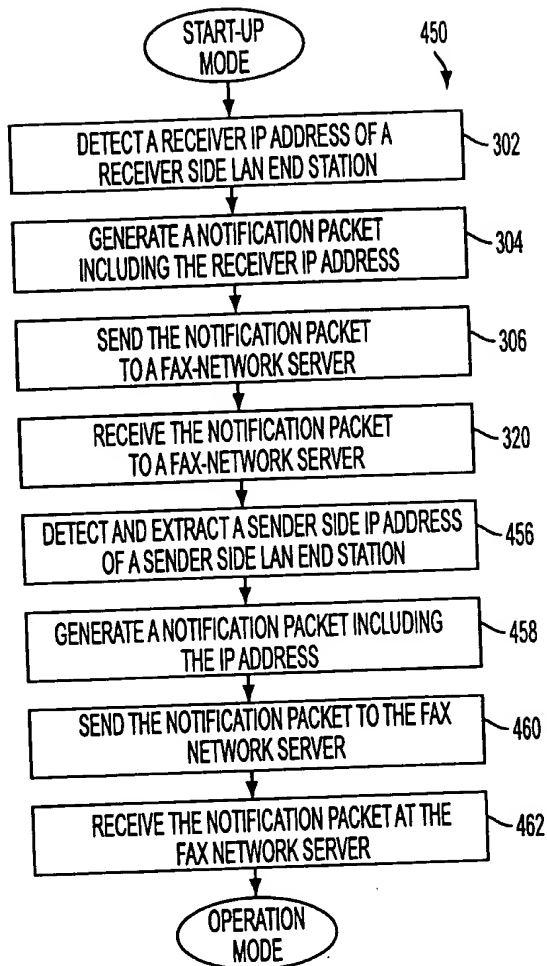


FIG.15


```
graph TD
    Start([OPERATION MODE]) --> 366[MONITOR A SENDER SIDE LAN END STATION  
TRANSMIT BUFFER STATUS TRANSMIT CHANNEL]
    366 --> 366-1{TIME TO START  
SUB-STREAM  
TRANSMISSION??}
    366-1 -- YES --> 368[ASSERT A PAUSE CONTROL TO THE SENDER  
SIDE LAN END STATION]
    366-1 -- NO --> 366
    368 --> 370[ARBITRATE LAN TRANSMIT CHANNEL FOR  
SENDER FAX DATA PACKET]
    370 --> 371[TRANSMIT THE FAX PACKET TO THE FAX NETWORK  
VIA LAN TRANSMIT CHANNEL]
    371 --> 371-1{ALL HIGH PRIORITY  
SUB-STREAM PACKET  
TRANSMITTED??}
    371-1 -- YES --> 372[DE-ASSERT THE PAUSE CONTROL FROM THE  
SENDER SIDE LAN END STATION]
    371-1 -- NO --> 371
    372 --> 372[ARBITRATE THE LAN TRANSMIT CHANNEL TO THE  
SENDER SIDE LAN END STATION]
```

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OPERATION MODE

MONITOR A SENDER SIDE LAN END STATION
TRANSMIT BUFFER STATUS TRANSMIT CHANNEL 366

TIME TO START
SUB-STREAM
TRANSMISSION?? 366-1

YES

NO

ASSERT A PAUSE CONTROL TO THE SENDER
SIDE LAN END STATION 368

ARBITRATE LAN TRANSMIT CHANNEL FOR
SENDER FAX DATA PACKET 370

TRANSMIT THE FAX PACKET TO THE FAX NETWORK
VIA LAN TRANSMIT CHANNEL 371

ALL HIGH PRIORITY
SUB-STREAM PACKET
TRANSMITTED?? 371-1

YES

NO

DE-ASSERT THE PAUSE CONTROL FROM THE
SENDER SIDE LAN END STATION 372

ARBITRATE THE LAN TRANSMIT CHANNEL TO THE
SENDER SIDE LAN END STATION 372

FIG.17B

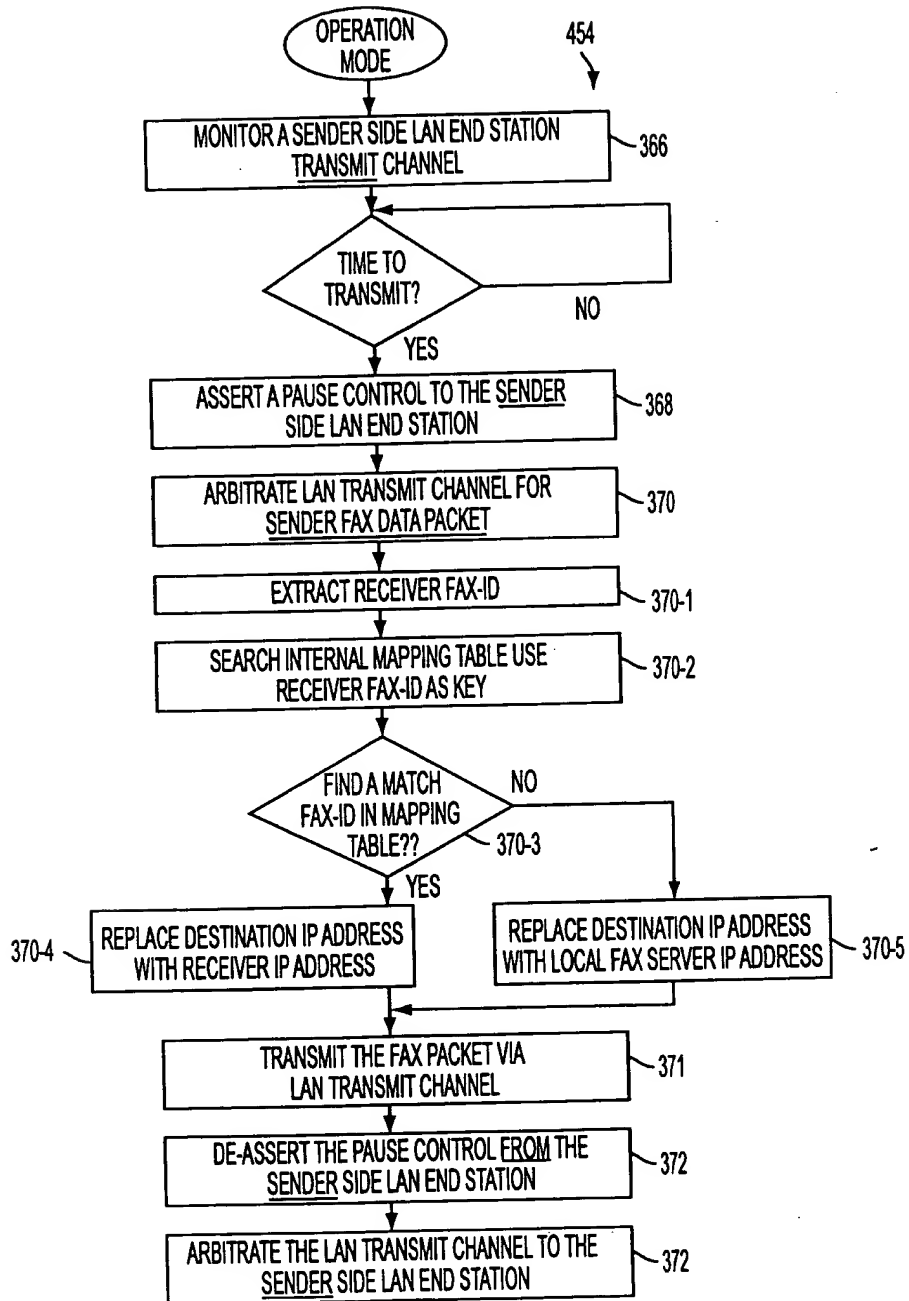


FIG.17C

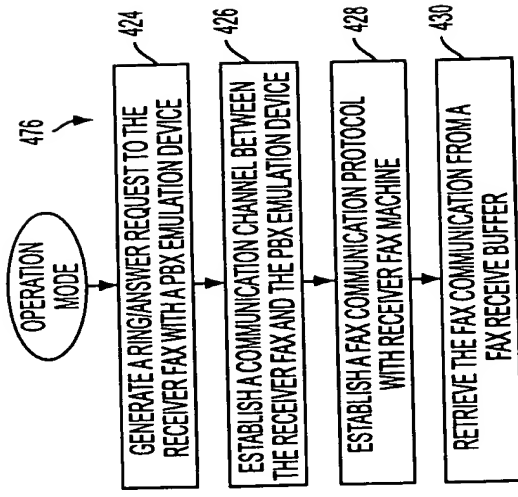


FIG.20

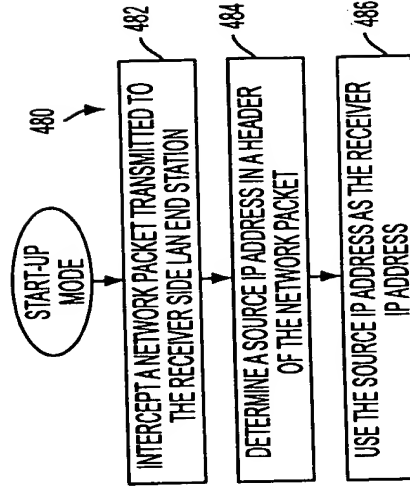


FIG.21

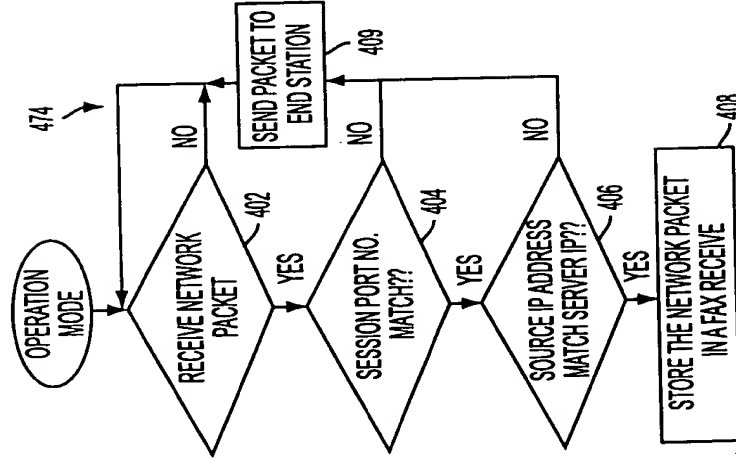


FIG.19A

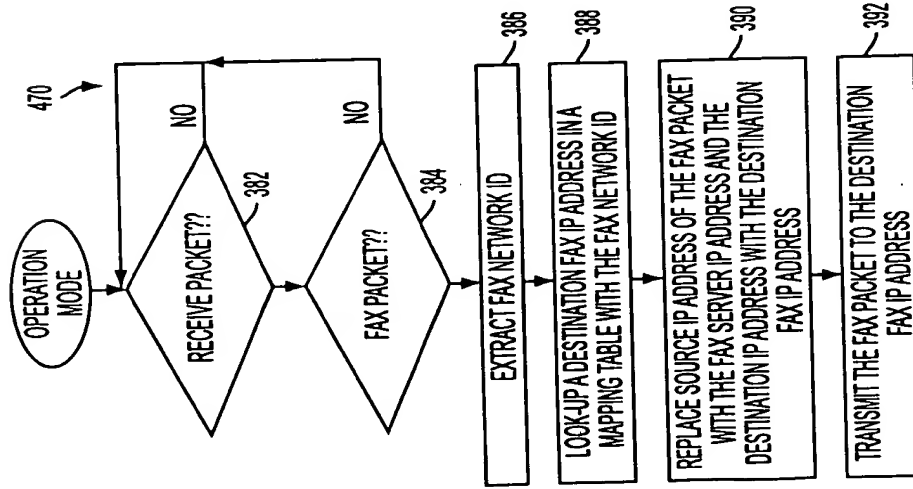
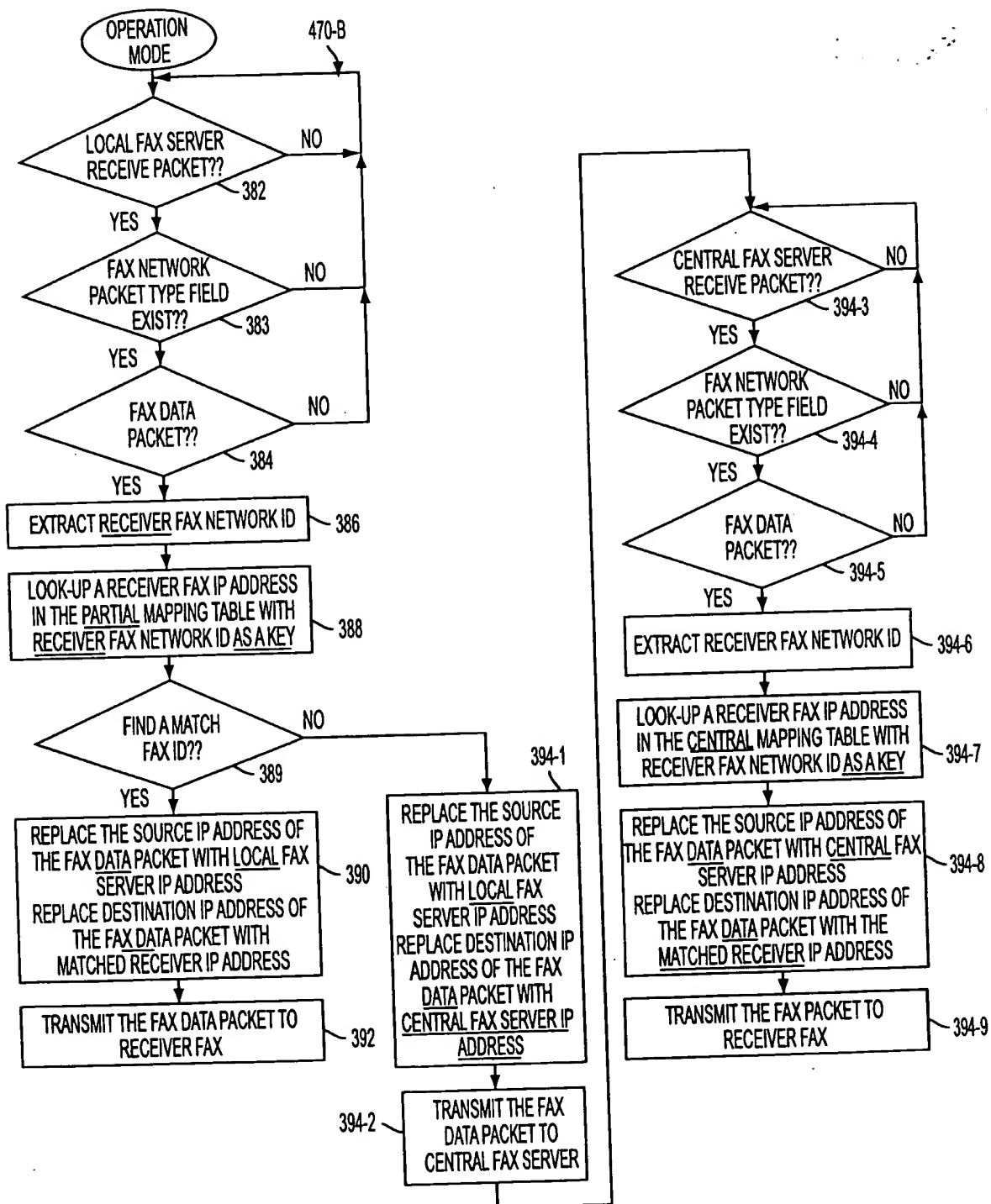


FIG.18A

09800660-052901



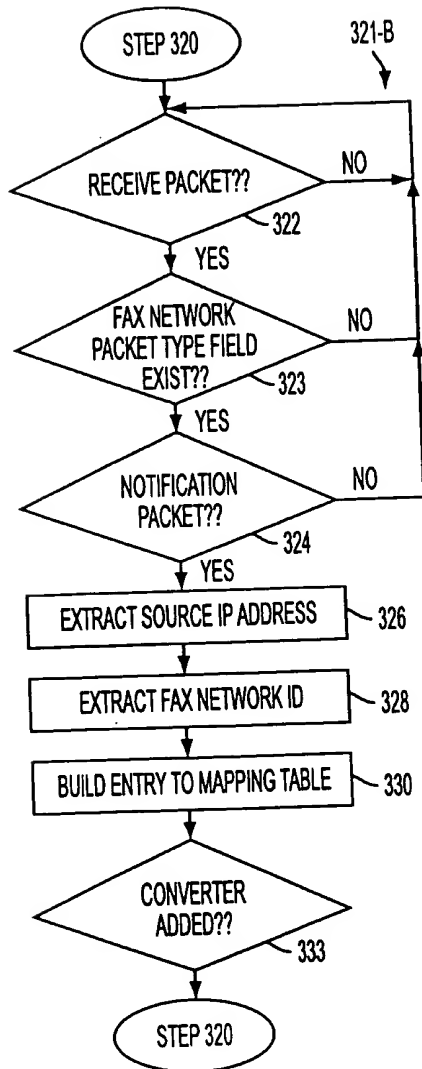


FIG.14B

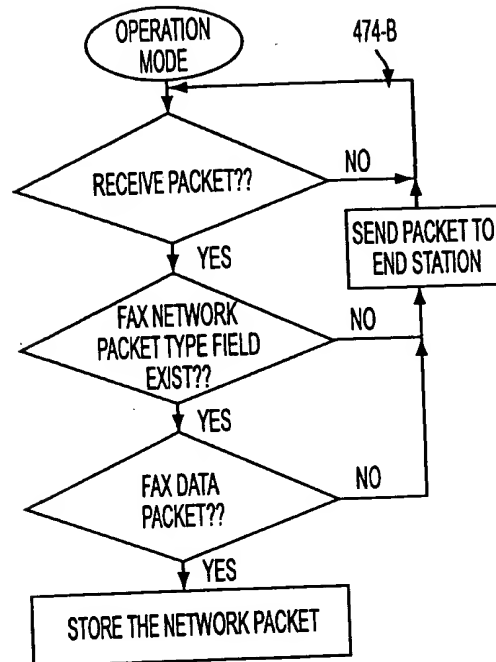


FIG.19B

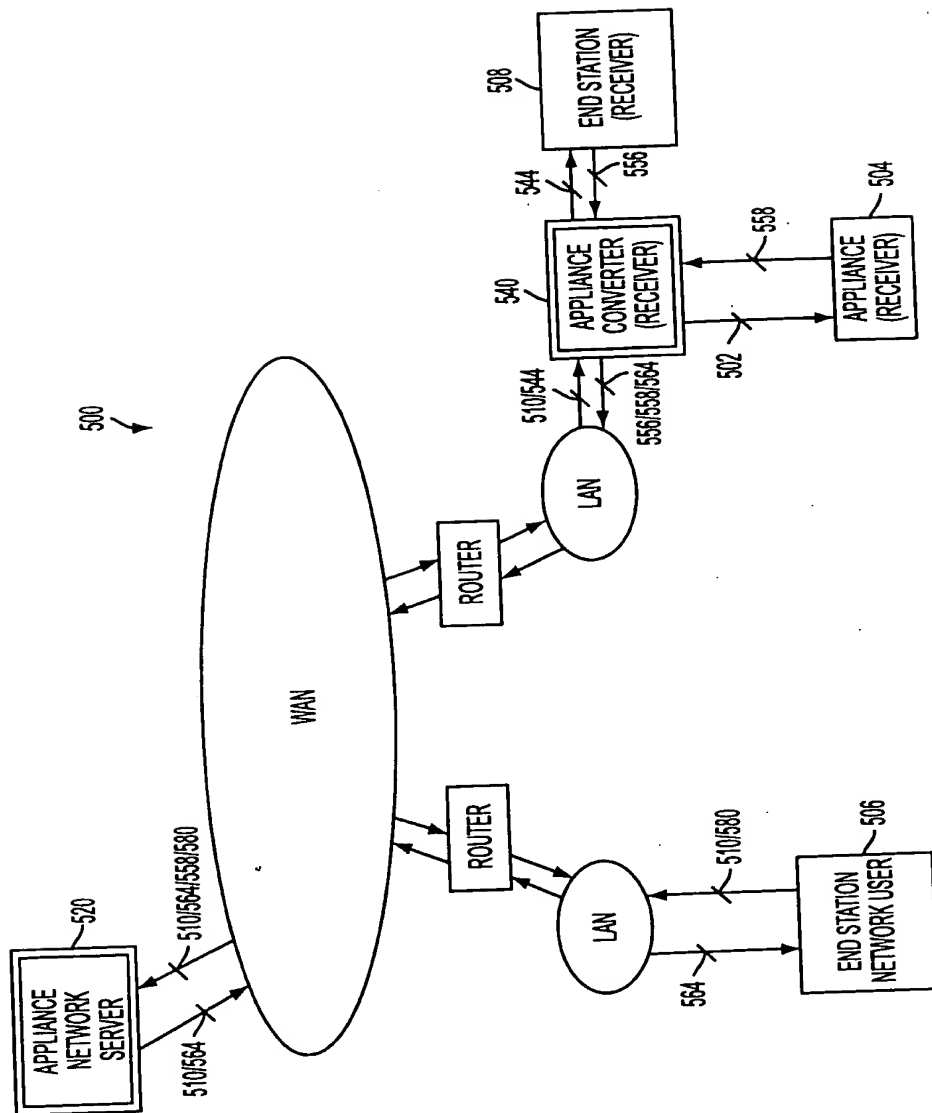


FIG. 22

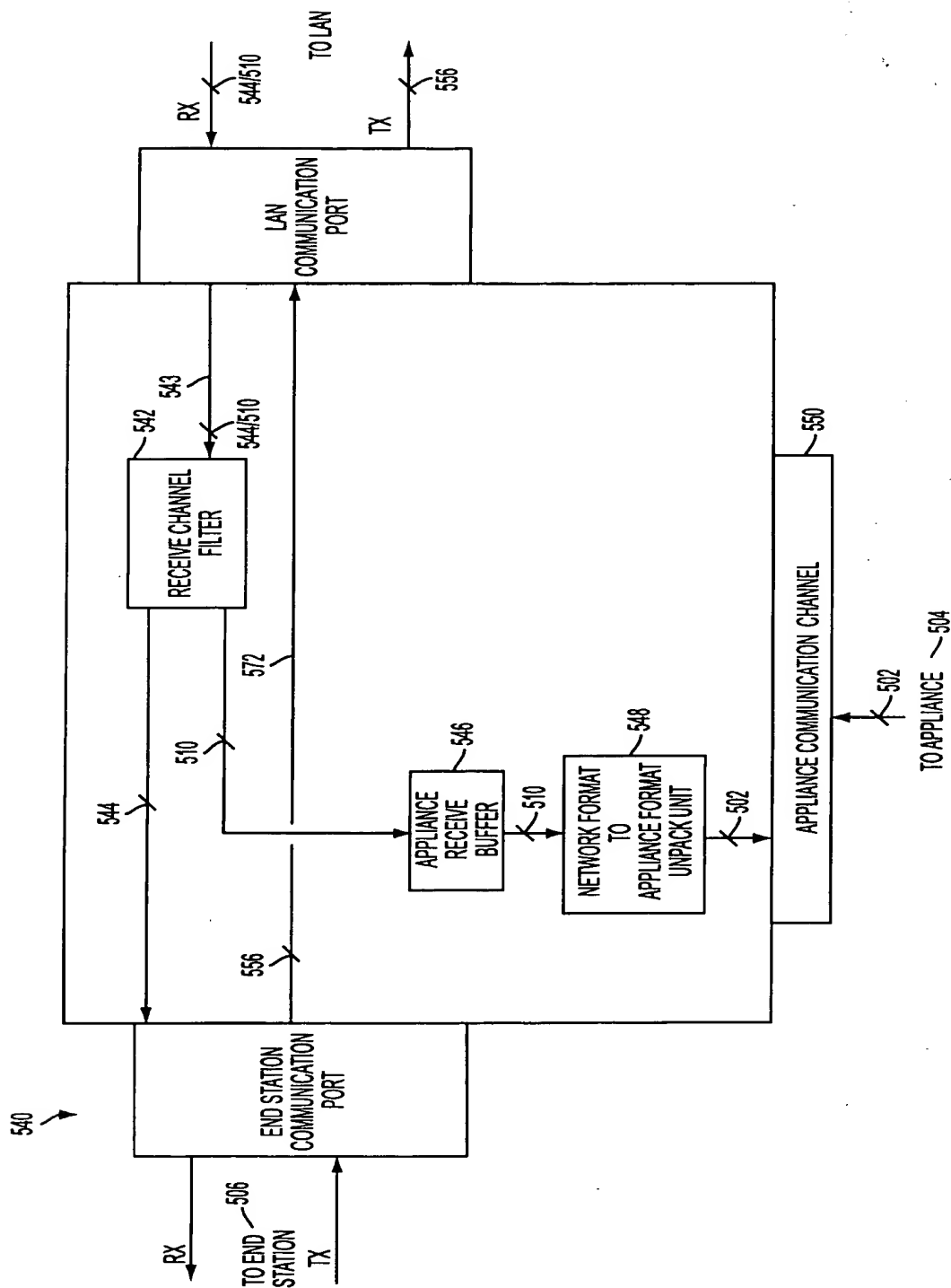


FIG. 23

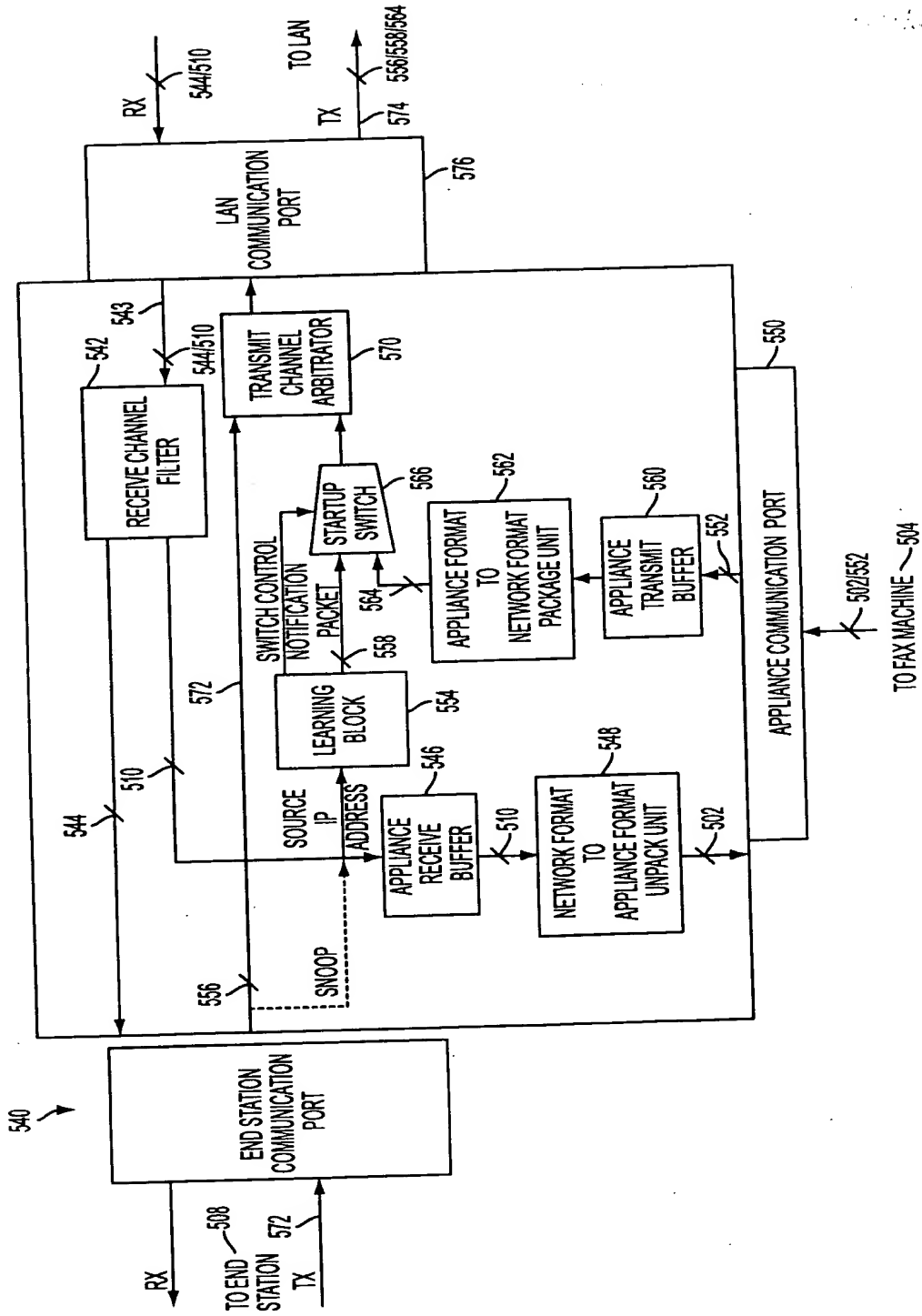


FIG. 24

FIG. 25

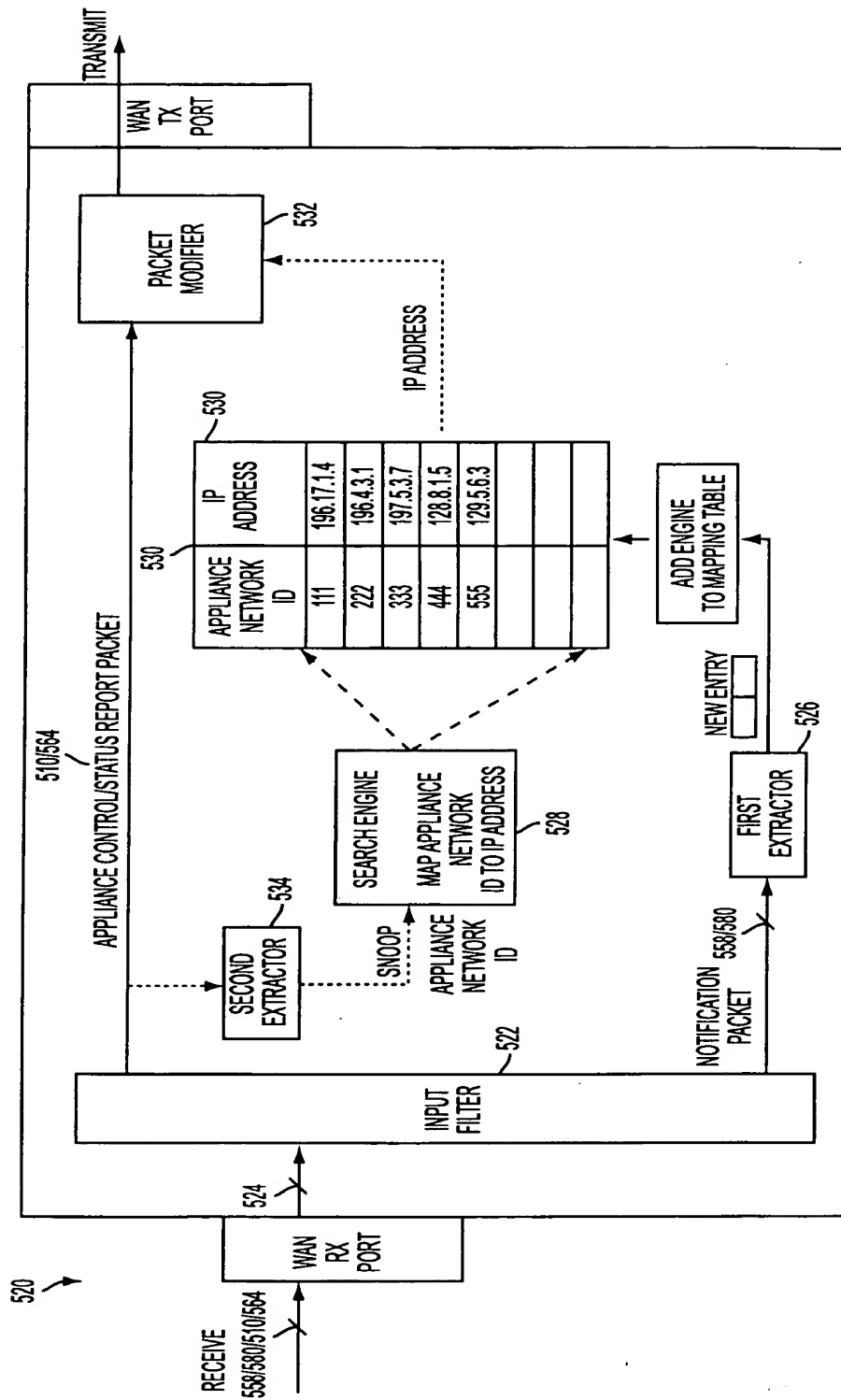


FIG. 25

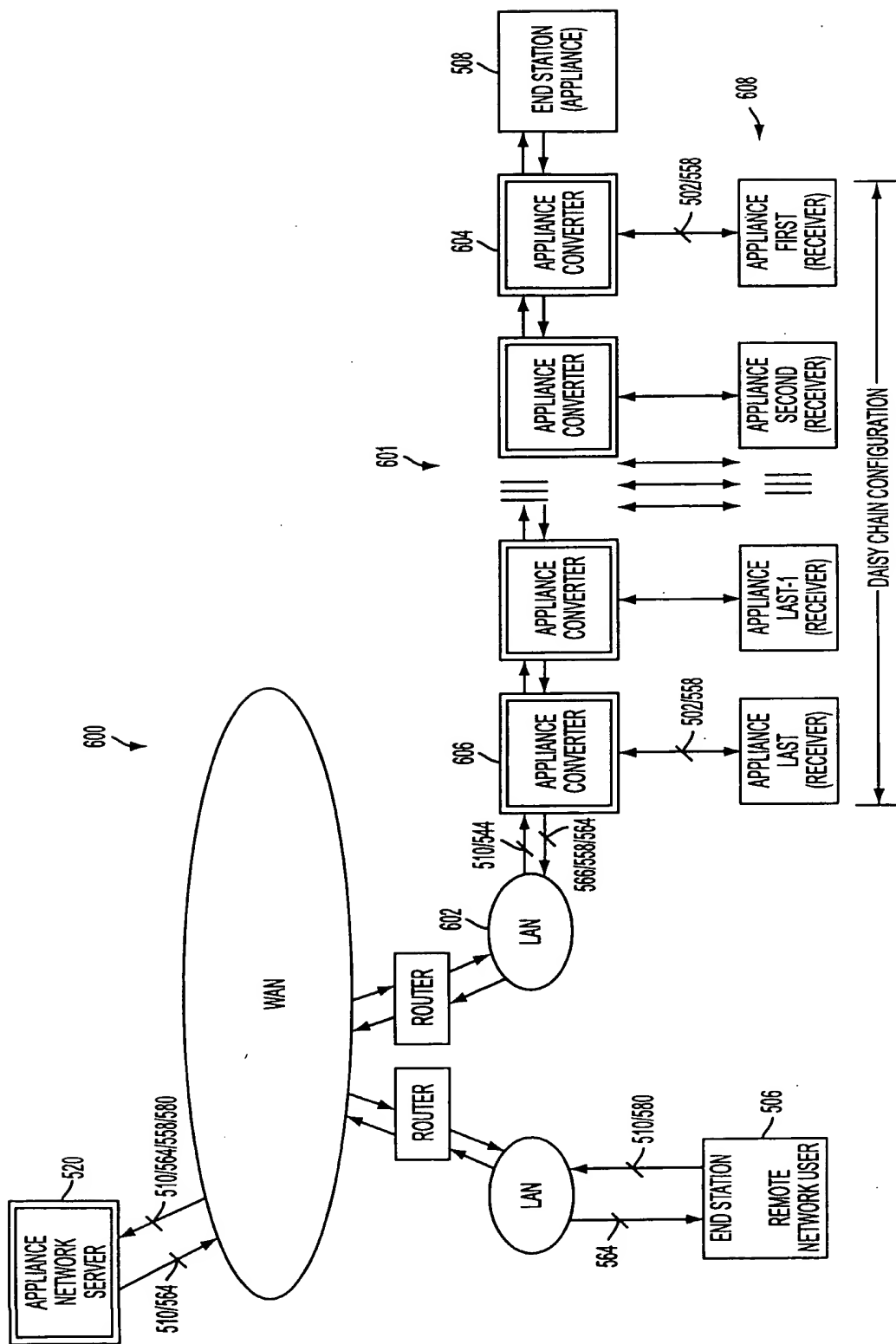


FIG. 26

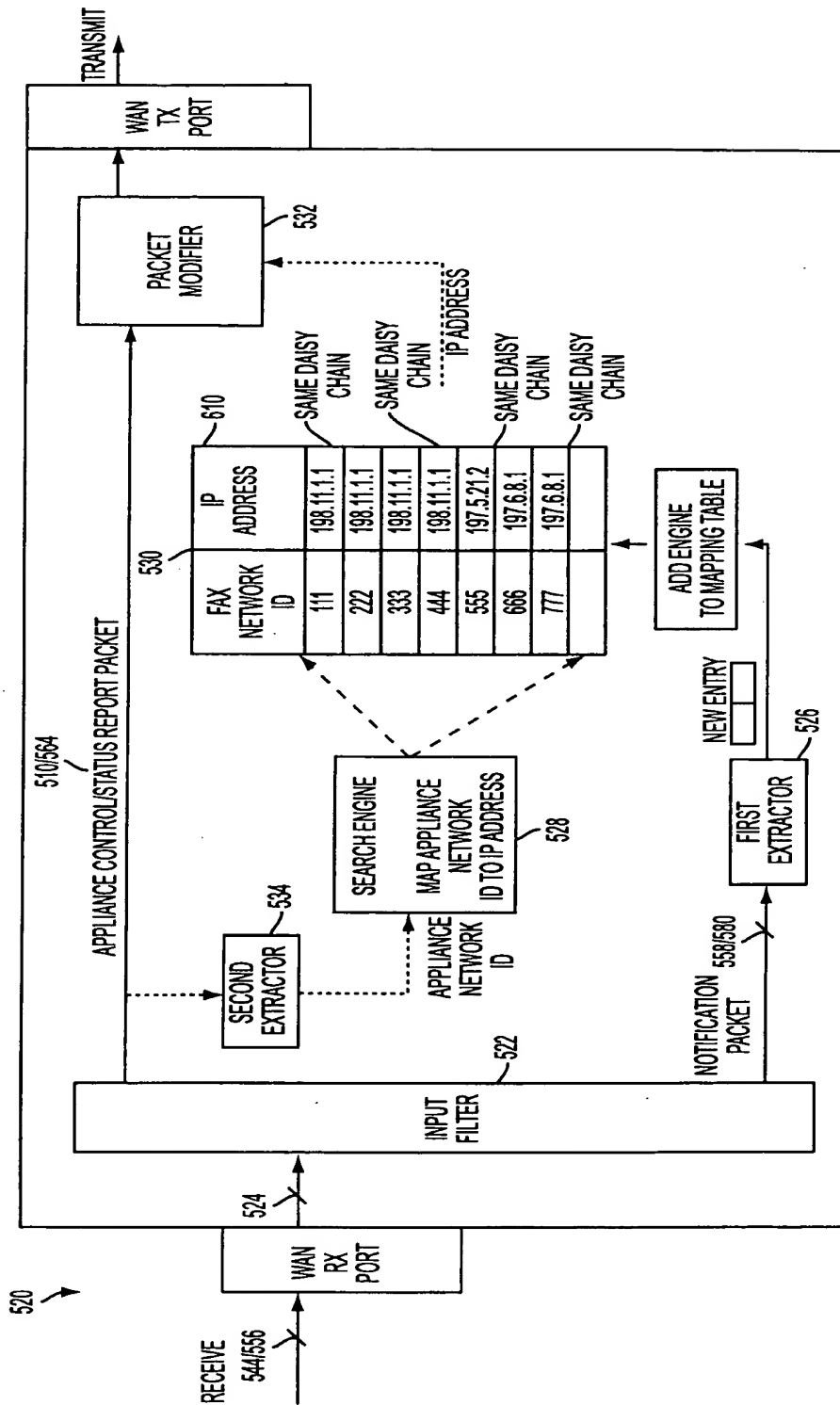


FIG. 27

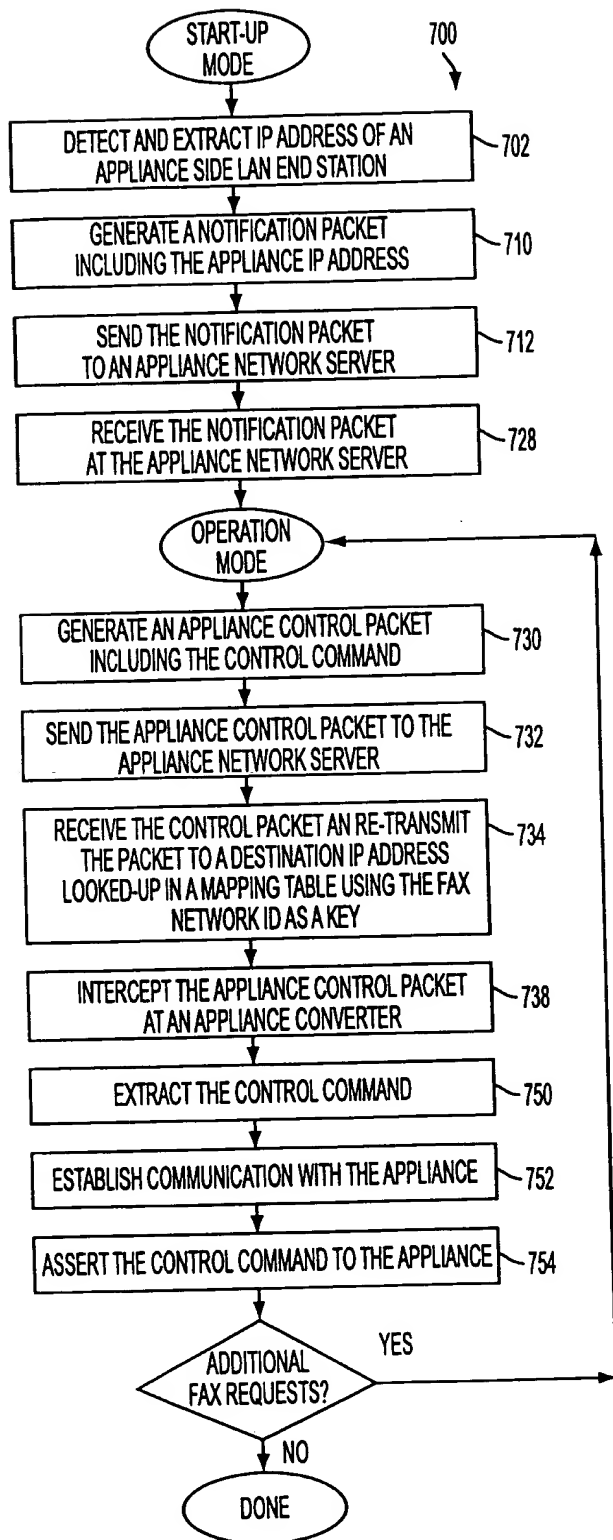


FIG. 28

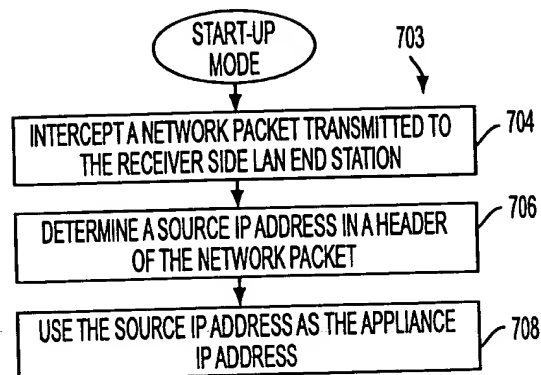


FIG. 29

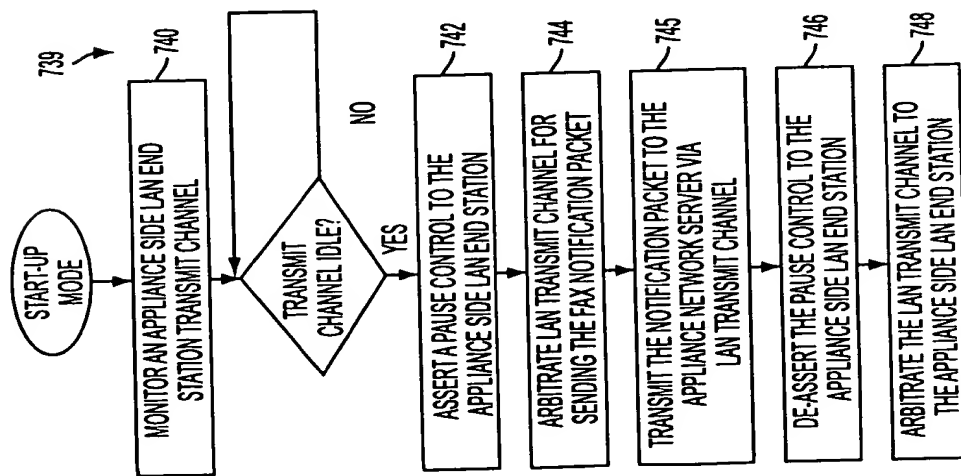


FIG. 30

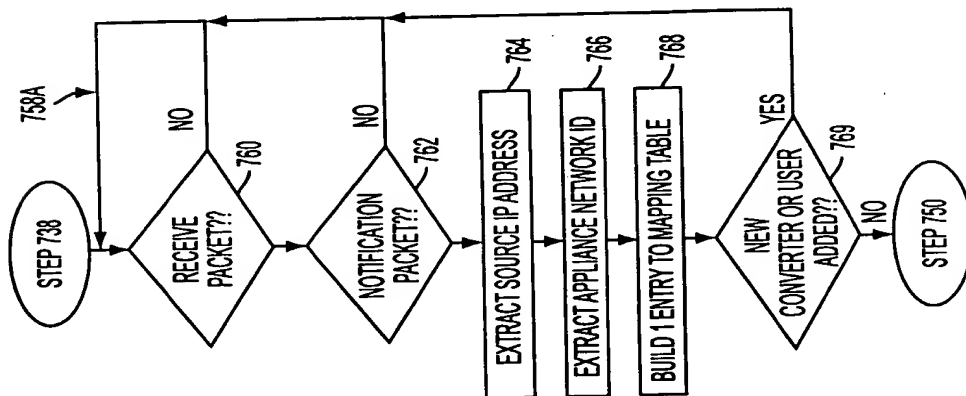


FIG. 31A

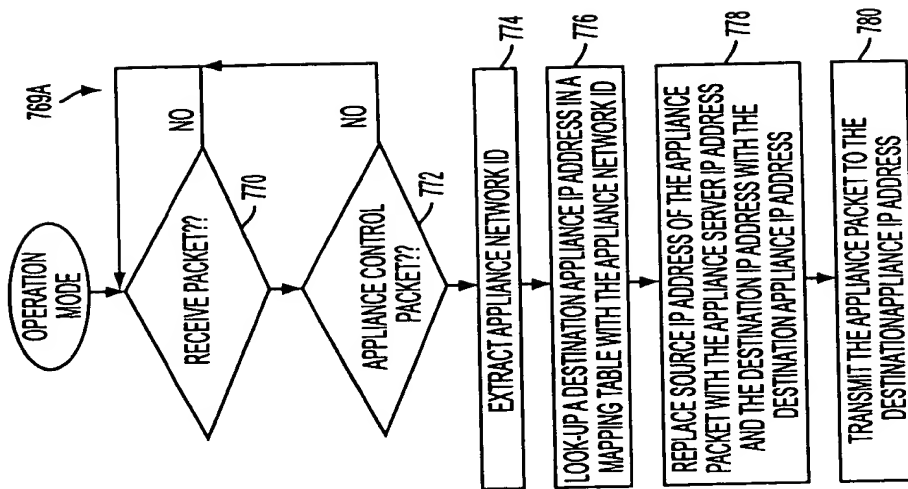


FIG. 32A

052501 00000000

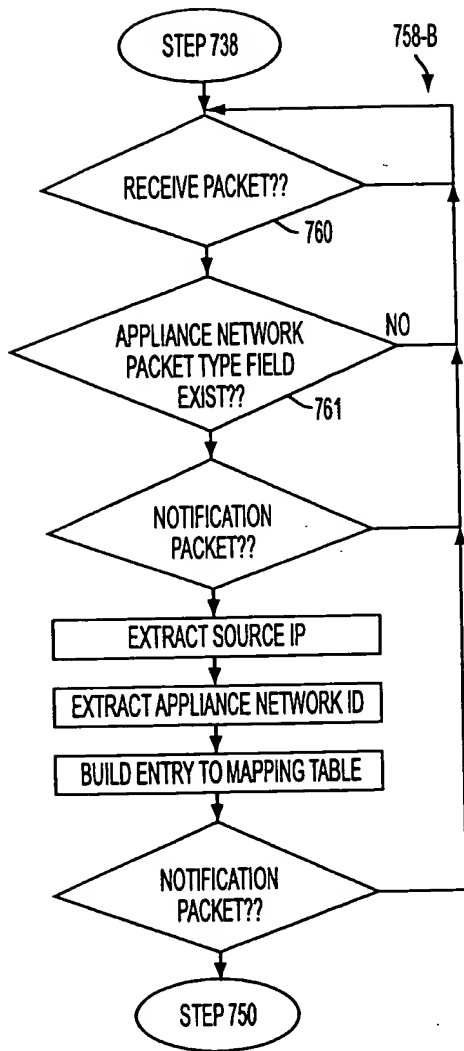


FIG. 31B

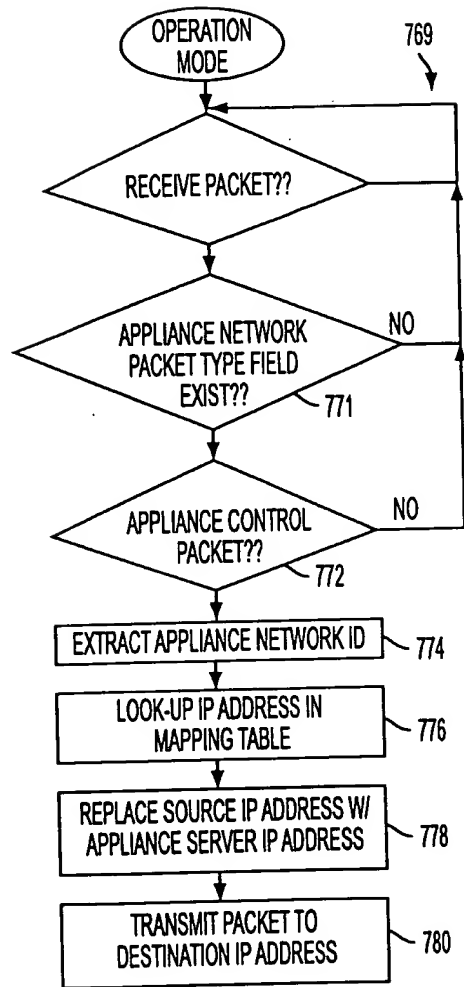


FIG. 32B

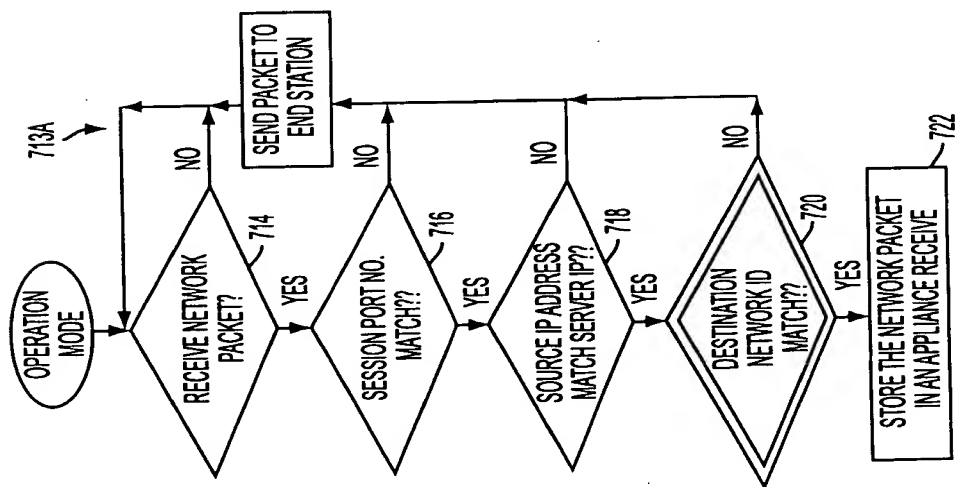


FIG. 33A

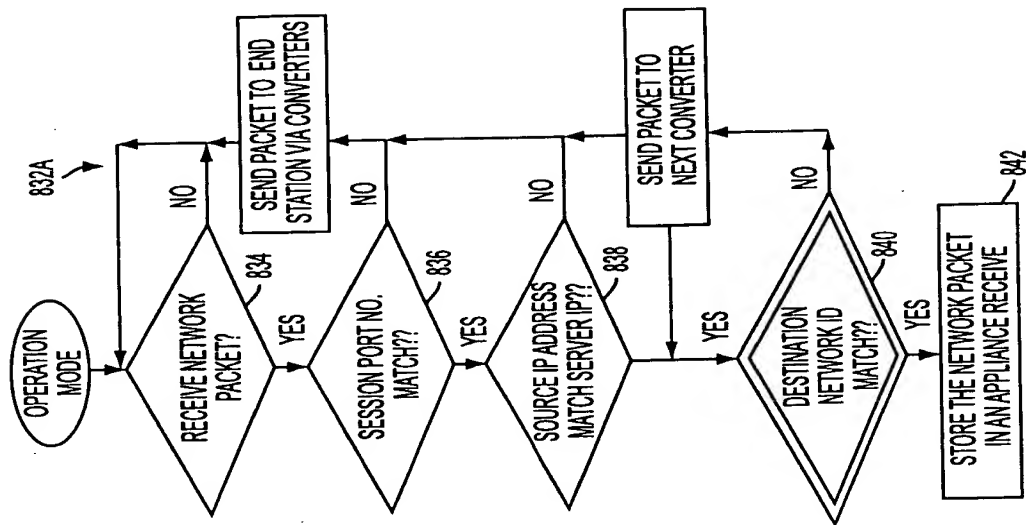


FIG. 34A

00000000 052901

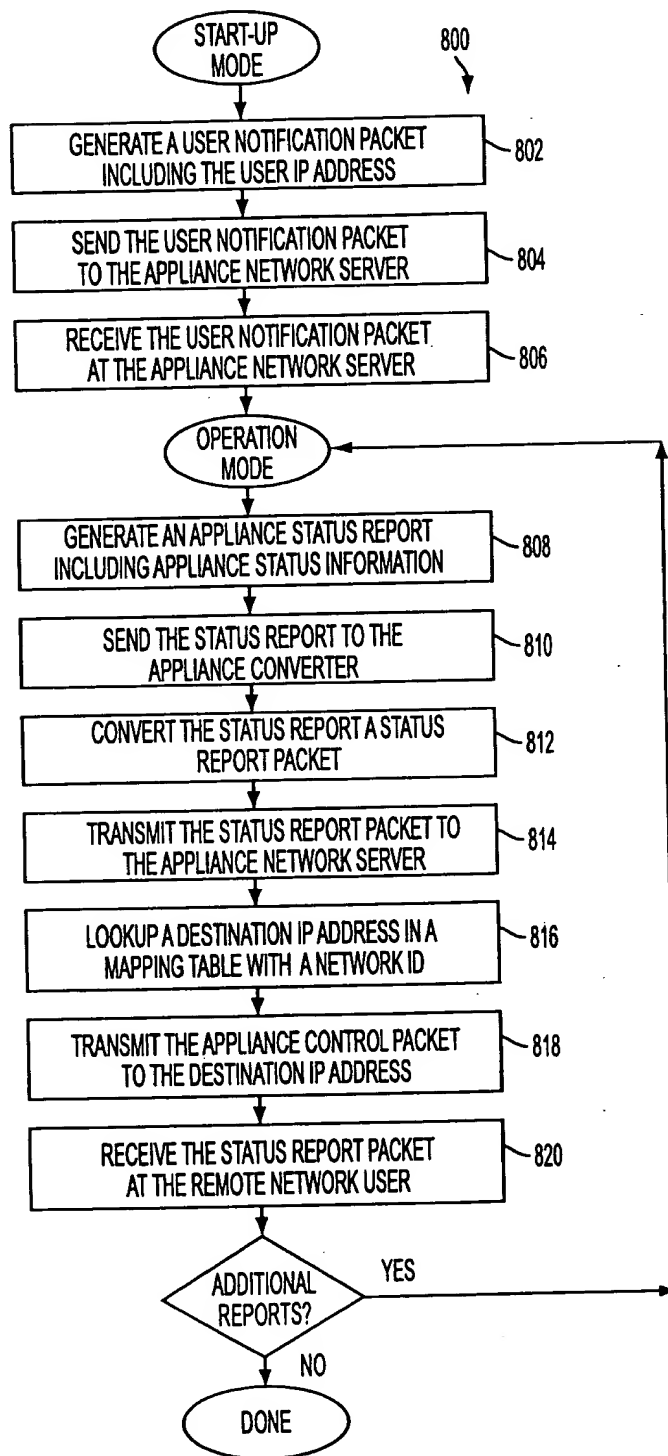


FIG. 35

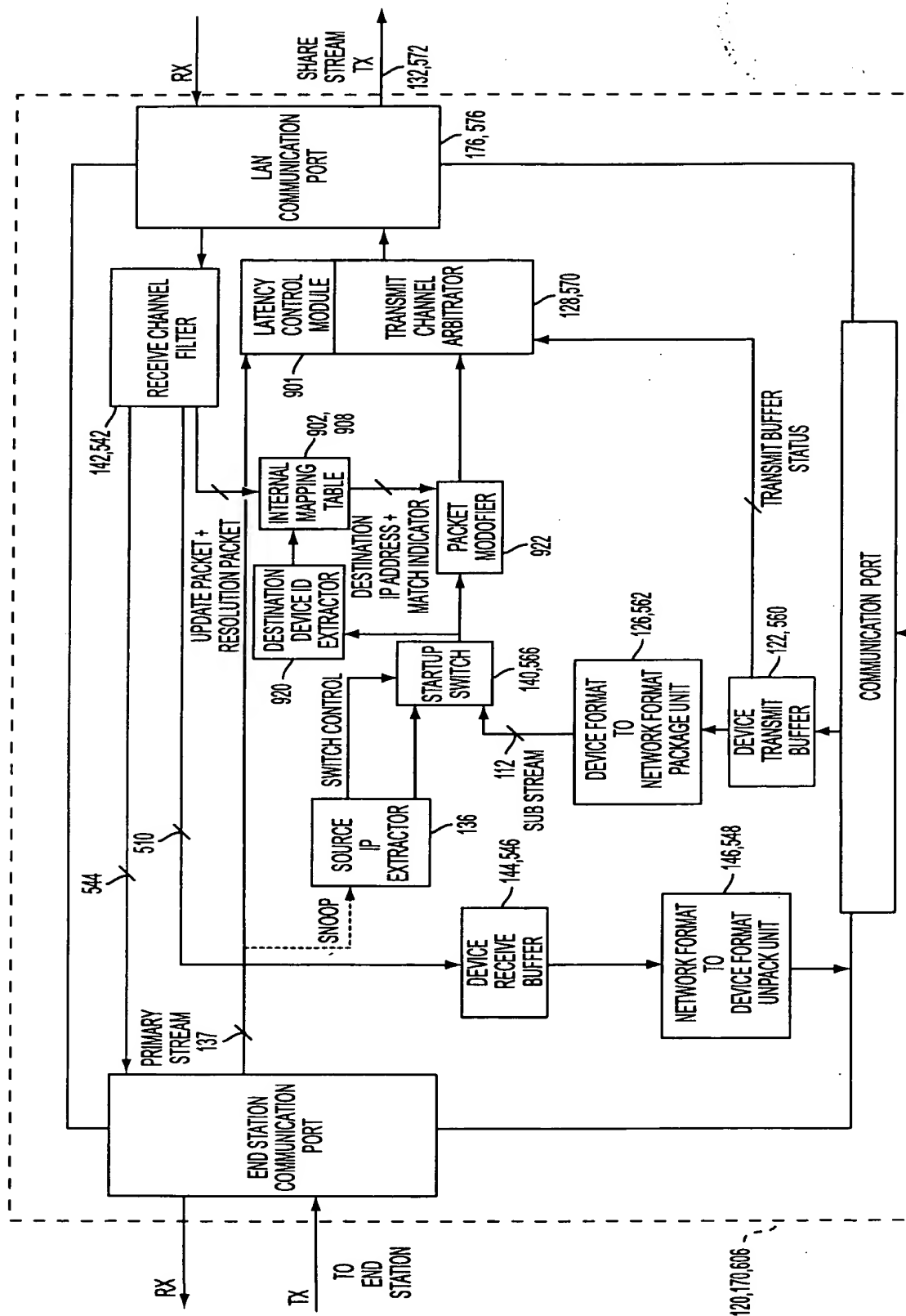


FIG. 36

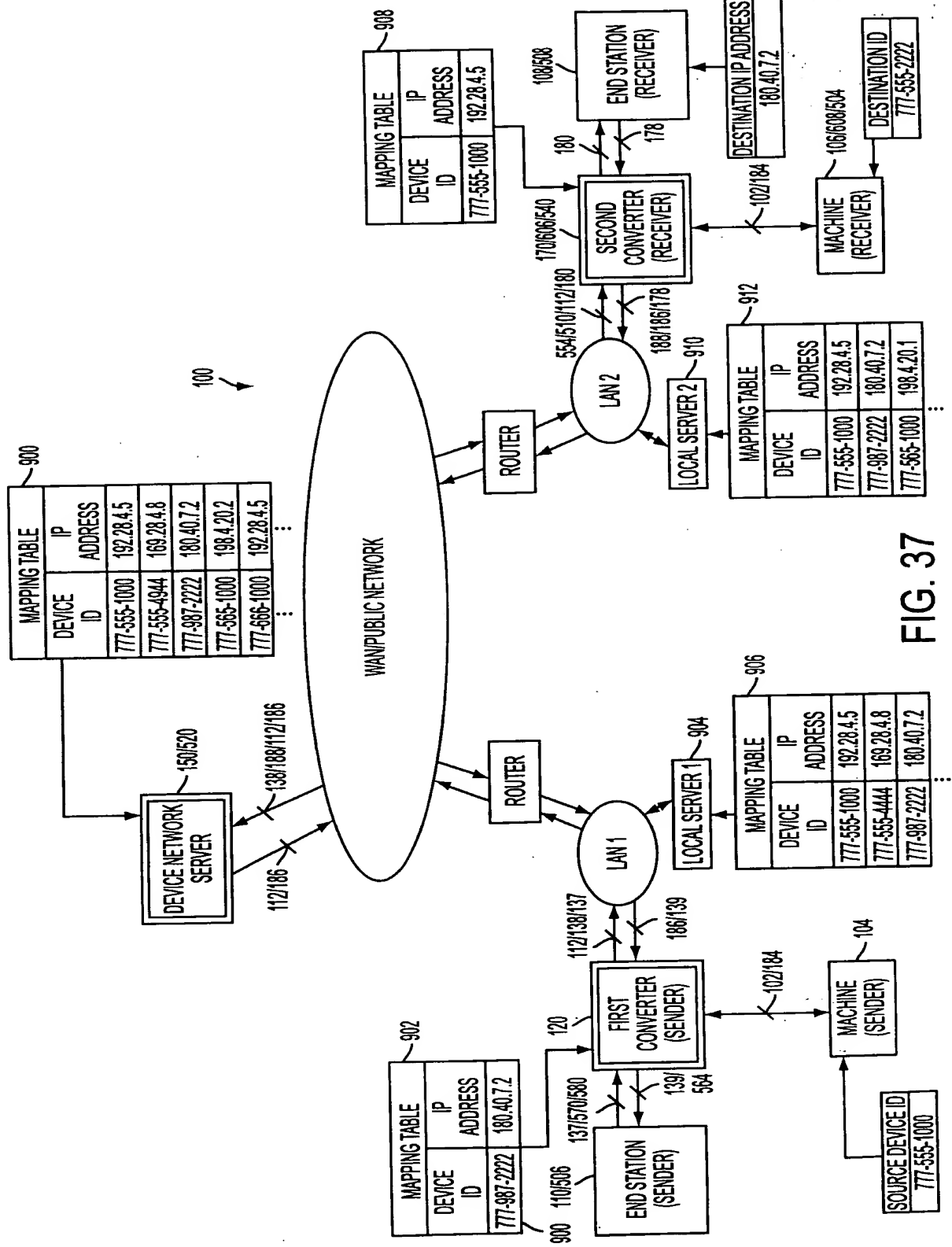
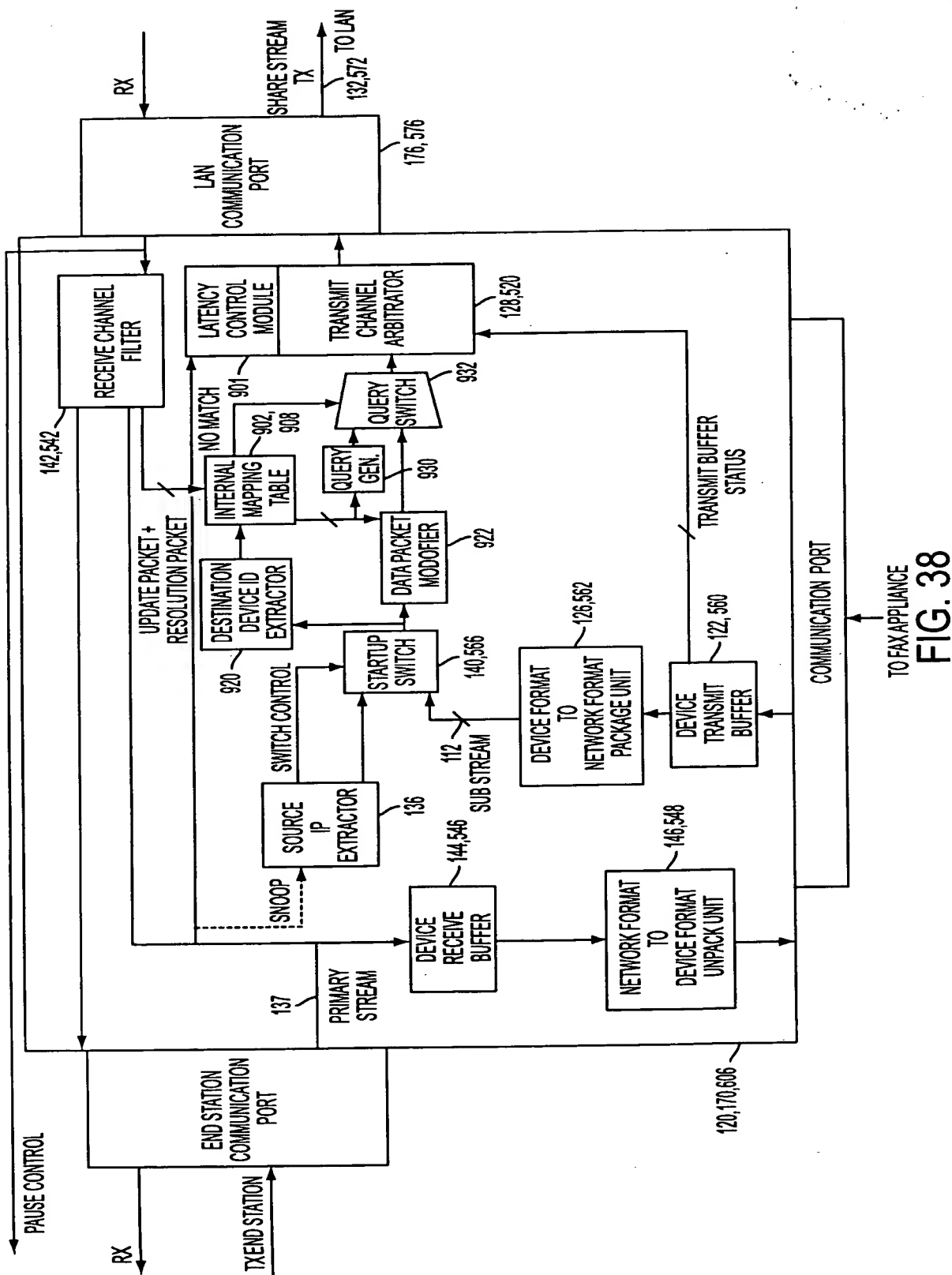


FIG. 37



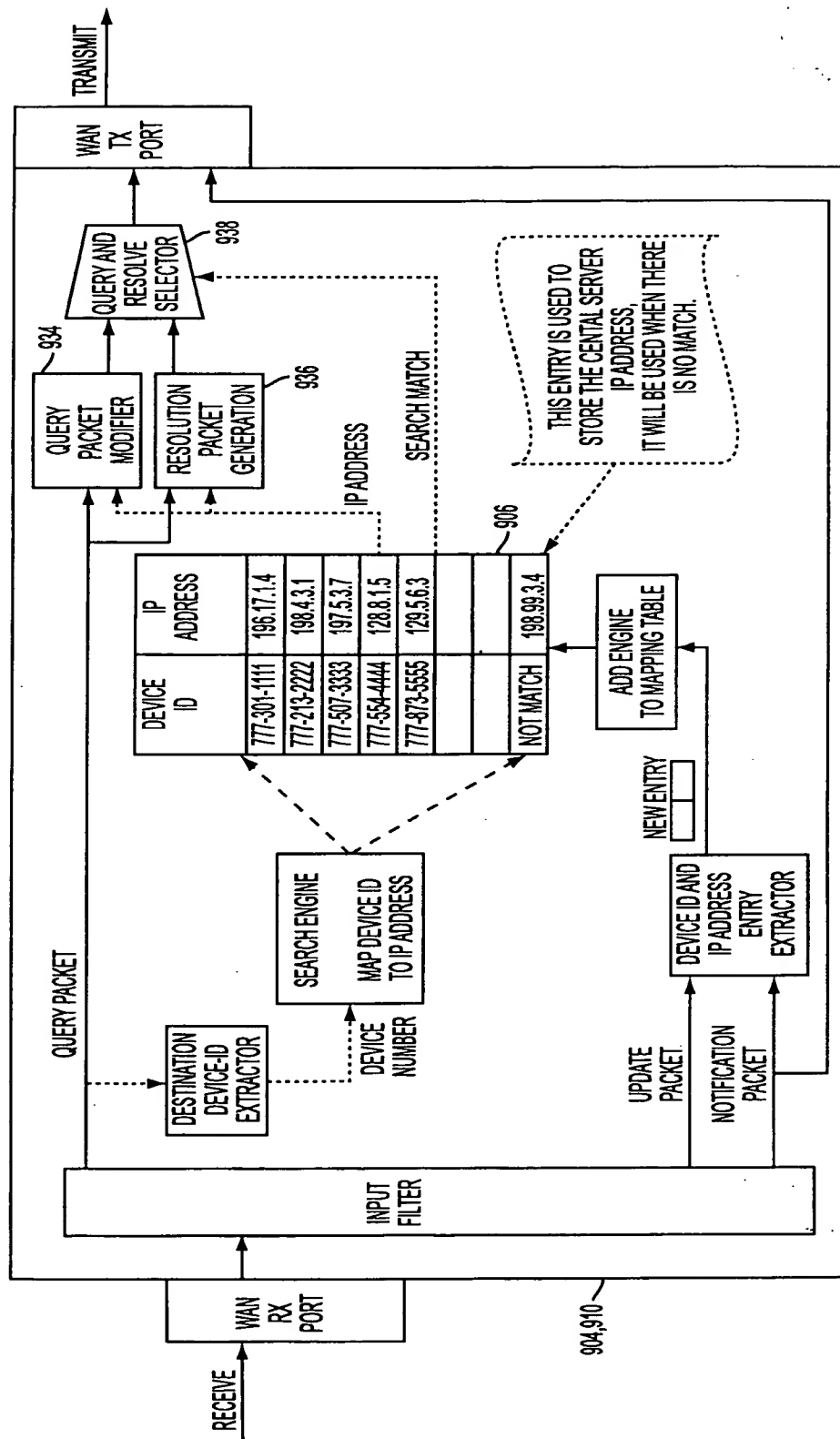


FIG. 39

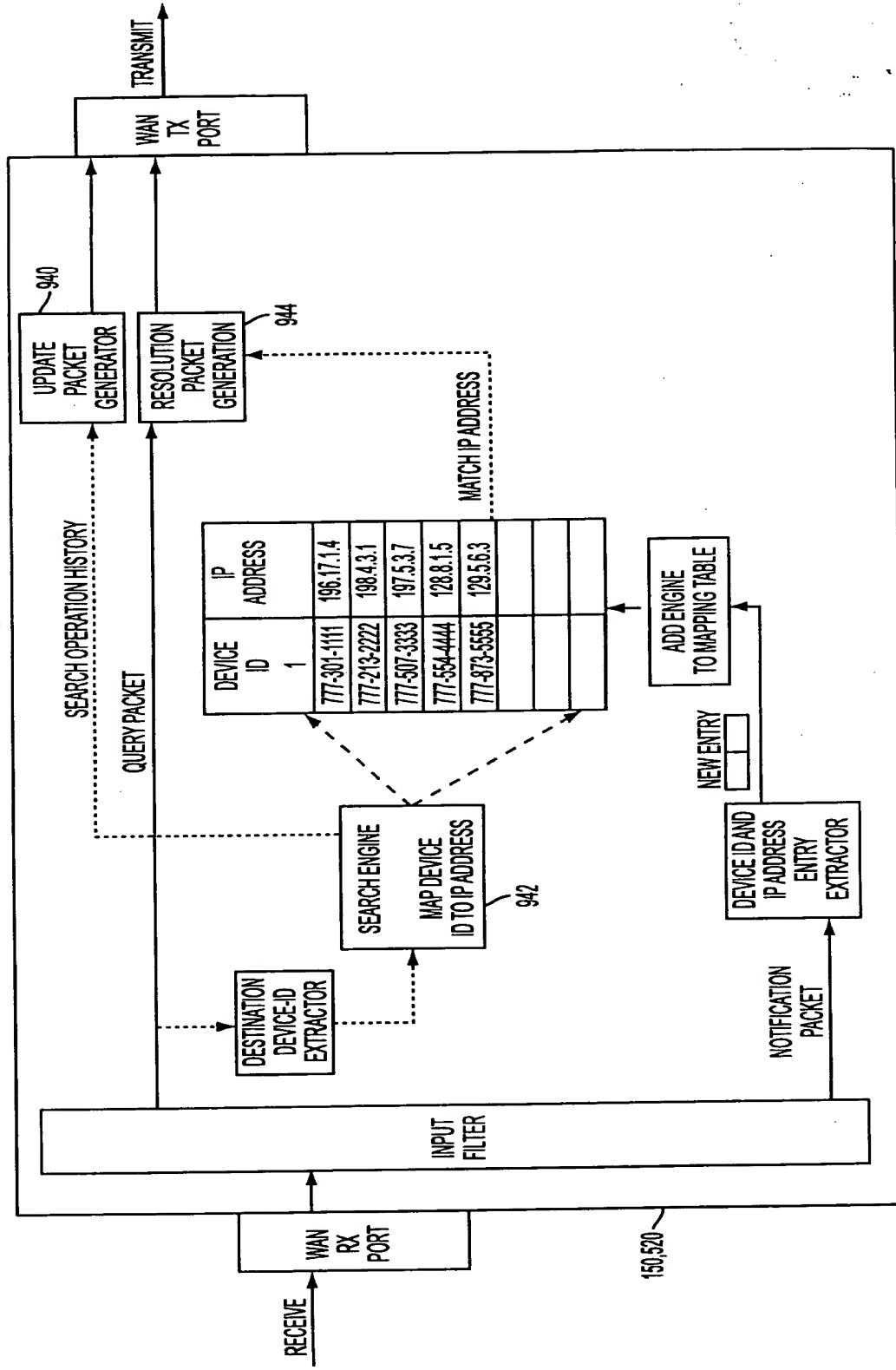


FIG. 40

```

graph TD
    Start([START-UP MODE]) --> 1002[DETECT A RECEIVER IP ADDRESS OF A RECEIVER SIDE LAN END STATION]
    1002 --> 1004[GENERATE A NOTIFICATION PACKET INCLUDING THE RECEIVER IP ADDRESS]
    1004 --> 1006[SEND A NOTIFICATION PACKET TO A LOCAL FAX SEVER, THEN TO THE CENTRAL FAX SERVER]
    1006 --> 1008[RECEIVE THE NOTIFICATION PACKET AT THE FAX NETWORK SERVER]
    1008 --> OpMode([OPERATION MODE])
    OpMode --> 1010[ESTABLISH A COMMUNICATION BETWEEN A FIRST CONVERTER AND THE SENDER FAX MACHINE]
    1010 --> 1012[RECEIVE THE FAX COMMUNICATION FROM THE SENDER FAX MACHINE]
    1012 --> 1014[GENERATE A FAX PACKET INCLUDING FAX TRANSMISSION]
    1014 --> 1020[QUERY AND RESOLVE THE RECEIVER IP ADDRESS]
    1020 --> 1022[SEND THE FAX DATA PACKET DIRECTLY TO THE RECEIVER CONVERTER]
    1022 --> 1024[INTERCEPT THE FAX PACKET AT A SECOND CONVERTER]
    1024 --> 1026[EXTRACT THE FAX COMMUNICATION]
    1026 --> 1028[ESTABLISH COMMUNICATION WITH RECEIVER FAX MACHINE]
    1028 --> 1030[TRANSMIT THE FAX DATA TO RECEIVER FAX MACHINE]
    1030 --> 1032{ADDITIONAL FAX REQUEST?}
    1032 -- YES --> 1024
    1032 -- NO --> Done([DONE])
  
```

FIG. 41

09600680-052401

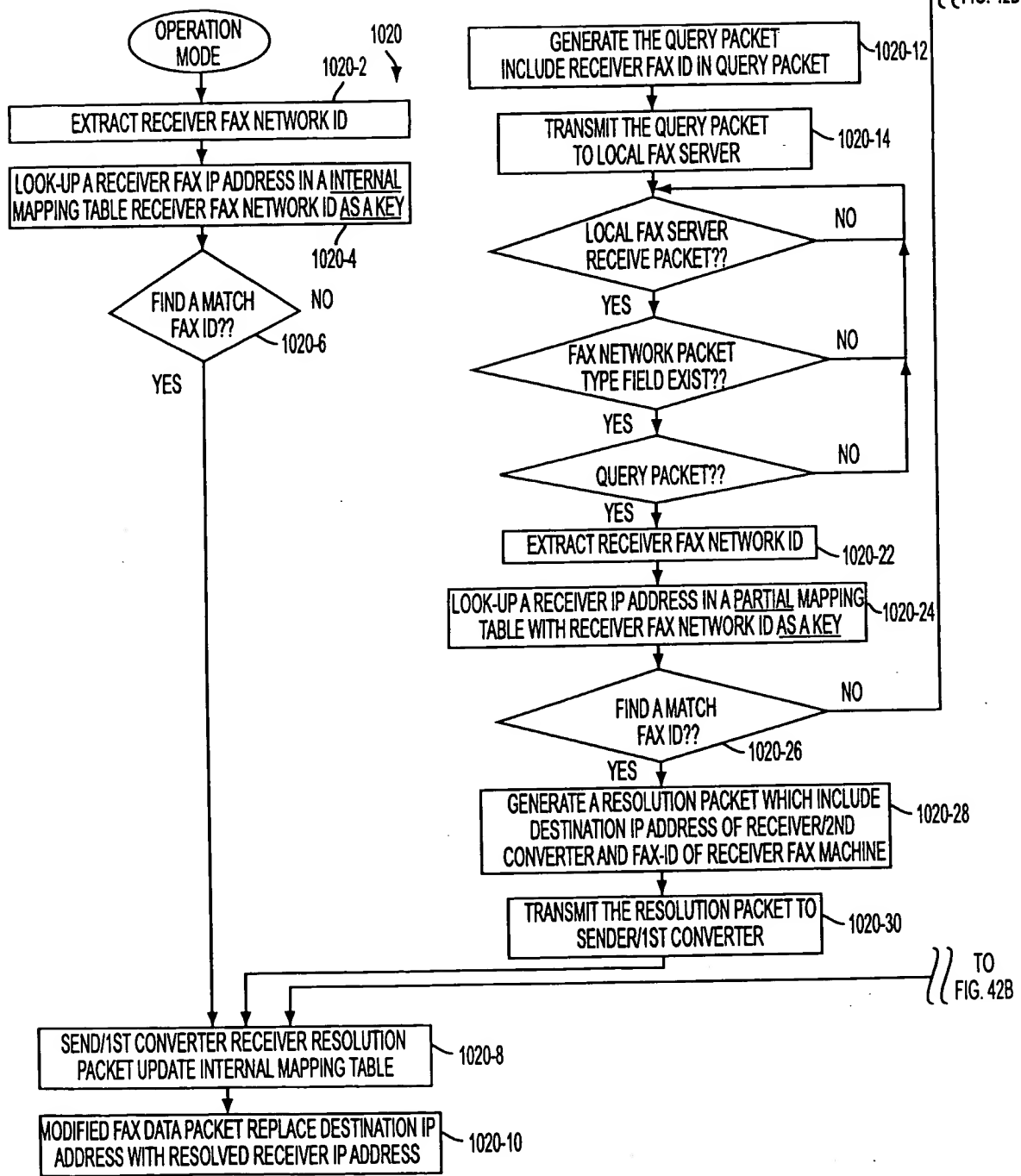


FIG. 42A

106250-08900866

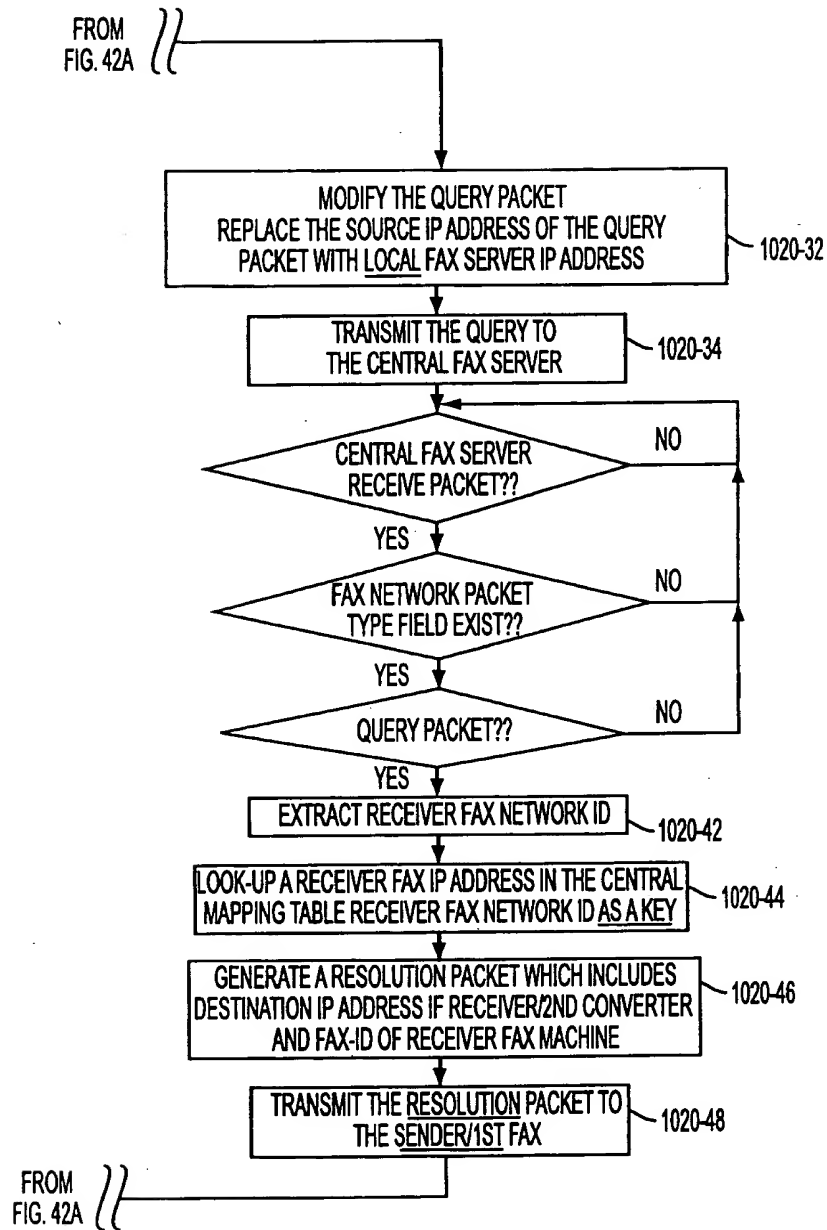


FIG. 42B